

# City of Plainwell



Brad Keeler, Mayor  
Lori Steele, Mayor Pro-Tem  
Todd Overhuel, Council Member  
Roger Keeney, Council Member  
Randy Wisnaski, Council Member

Department of Administration Services  
211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821 Fax: 269-685-7282  
Web Page Address: [www.plainwell.org](http://www.plainwell.org)

“The Island City”

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## AGENDA

Plainwell City Council  
Monday, June 27, 2022 - 7:00PM  
Plainwell City Hall Council Chambers

1. Call to Order
2. Invocation
3. Pledge of Allegiance
4. Roll Call
5. Approval of Minutes – 06/13/2022 Regular Meeting & 6/16/2022 Special Meeting
6. General Public Comments
7. Presentation - *Employee Recognition – John Varley – 35 years*
8. County Commissioner Report
9. Agenda Amendments
10. Mayor’s Report
11. Recommendations and Reports:

### A. Board and Commission Appointment Listing

Council will consider confirming the Mayor’s appointment of three (3) citizens to various Boards and Commissions effective July 1, 2022.

### B. Plainwell Dam #2 – Engineering Proposals

Council will consider approving a contract, with grant funding, to GHD for engineering services related to Plainwell Dam #2 in the amount of \$478,000.

### C. DPW – Emergency Generator Repair

Council will consider approving a contract with Wolverine Power Systems to repair the generator in an amount not to exceed \$9,500.00.

### D. DPW – Truck 12 Repairs

Council will consider approving a contract with M&C Repair for repairing Truck 12 in the amount of \$9,433.13.

### E. Service Employees International Union Local 517M (SEIU)

Council will consider approving a 4-year contract with the SEIU.

### F. Capital Improvement Plan

Council will consider approving the 2022-2027 Capital Improvement Plan.

**G. Resolution 2022-11 – Fines and Fees Fiscal Year 2023**

Council will consider adopting a resolution for general fines and fees effective July 1, 2022.

**H. Public Hearing – 2022-2023 City Budget Adoption**

Council will hold a public hearing for consideration of the 2022-2023 Plainwell City Budget and consider adopting Resolution 2022-12 General Appropriations and Resolution 2022-13 Special & Operating Funds Appropriations for the 2022-2023 Plainwell City Budget.

**I. Blanket and Confirming Purchase Orders Fiscal Year 2023**

Council will consider approving 20 purchase orders for approved contract work and preferred vendors.

**12. Communications:** The DRAFT 6/15/2022 Planning meeting minutes.

**13. Accounts Payable - \$182,506.39**

**14. Public Comments**

**15. Staff Comments**

**16. Council Comments**

**17. Adjournment**

**Note:** All public comment limited to two minutes, when recognized please rise and give your name and address.

**MINUTES**  
**Plainwell City Council**  
**June 13, 2022**

1. Mayor Keeler called the regular meeting to order at 7:00 PM in City Hall Council Chambers.
2. The invocation was given by Sean Fowler of Lighthouse Baptist Church.
3. Pledge of Allegiance was given by all present.
4. Roll Call: Present: Mayor Keeler, Mayor Pro Tem Steele, Councilmember Keeney, Councilmember Overhuel, and Councilmember Wisnaski. Absent: None.
5. Approval of Minutes:  
**A motion by Steele, seconded by Wisnaski, to accept and place on file the Council Minutes of the 05/23/2022 regular meeting. On a voice vote, all voted in favor. Motion passed.**
6. Public Comment: None.
7. County Commissioner Report: None.
8. Agenda Amendments: None.
9. Mayor's Report:  
Mayor Keeler reported that Bill Harrington had donated the original lock from the historic Plainwell jail. He passed the lock around to everyone present for viewing.
10. Recommendations and Reports:
  - A. **A motion by Overhuel, seconded by Steele, to open a Public Hearing at 7:05pm to hear comments regarding the use of CDBG funds. On a voice vote, all in favor. Motion passed.**

Community Development Manager Denise Siegel reported on the rental rehabilitation project at 112 North Main Street. Floor plans and estimated rent prices for the units were discussed.

*No public comment.*

**A motion by Steele, seconded by Overhuel, to close the Public Hearing at 7:08pm. On a voice vote, all voted in favor. Motion passed.**

**A motion by Steele, seconded by Overhuel, to approve the application for the rental rehabilitation project at 112 North Main Street. On a roll call vote, all voted in favor. Motion passed.**
  - B. Treasurer Kelley reported on the draft 2022-2023 DDA/BRA/TIFA budget. He detailed the changes and projected balances for each fund.  
**A motion by Overhuel, seconded by Keeney, to approve the draft 2022-2023 DDA/BRA/TIFA budget. On a roll call vote, all voted in favor. Motion passed.**

- C. Treasurer Kelley reported on the budget process. He noted that a public hearing was required as part of the process.  
**A motion by Steele, seconded by Keeney, to set a public hearing for June 27, 2022 at 7pm for the adoption of the 2022-2023 Plainwell City Budget. On a roll call vote, all voted in favor. Motion passed.**
- D. Manager Wilson reported on the excessive force policy amendment established by Resolution 2022-10. He noted that this policy was required as part of the CDBG application process due to the use of federal funds in the project. DPS Director Callahan had also reviewed the policy and recommended approval of the policy as presented.  
**A motion by Steele, seconded by Wisnaski, to adopt Resolution 2022-10 Excessive Force as presented. On a roll call vote, all voted in favor. Motion passed.**
- E. Community Development Manager Siegel reported on Ordinance 391 An Ordinance to Amend the City of Plainwell Code to Add a New Chapter 59 entitled "Fair Housing". She noted that this ordinance addresses a required amendment to the housing code to remain compliant with state guidelines for communities that use CDBG funds.  
**A motion by Overhuel, seconded by Wisnaski, to adopt Ordinance 391 An Ordinance to Amend the City of Plainwell Code to Add a New Chapter 59 entitled "Fair Housing". On a roll call vote, all voted in favor. Motion passed.**
- F. Clerk Fenger reported on new information received from Republic Services regarding the City of Plainwell contract. Republic Services shows a current recycling usage rate of 72%, based on the number of recycling carts they empty each month in the city. Republic also provided the rates the company charges for an average citizen who doesn't live in a city with a recycling contract. No action was taken.
- G. Superintendent Pond reported on the need for safety railings and a work platform above the chlorine contact tanks pumps. The department had previously used a hoist for any work above the pumps but determined a platform with railings would be safer. He noted that he was satisfied with previous work done by OIK and their bid came in much lower than the next lowest bid.  
**A motion by Keeney, seconded by Wisnaski, to approve a contract with OIK to fabricate and install the railing and work platform above the pumps for a cost of \$10,635.00. On a roll call vote, all voted in favor. Motion passed.**
- H. Superintendent Pond reported on the need to rebuild the east and west final clarifier pumps. He noted the presence of pitting on parts of the pumps which needed to be repaired or replaced. He also noted the cost to purchase new pumps to replace the old ones was more than the cost to rebuild the pumps. Replacing the pumps would also incur additional costs to install new lines and connections that would be avoided by rebuilding the current pumps.  
**A motion by Wisnaski, seconded by Keeney, to approve a contract with Richland Machine & Pump to rebuild the east and west final clarifier pumps for a cost of \$11,400.00. On a roll call vote, all voted in favor. Motion passed.**
- I. Superintendent Nieuwenhuis reported that the street sweeping contract with Walters Sweeping was due to expire soon. Walters Sweeping currently provides four (4) street sweeping services per year. He noted that prices have increased this year, however the final price usually comes in under budget due to the not-to-exceed amount used by the vendor for price estimates.



**A motion by Wisnaski, seconded by Keeney, to approve a three-year contract with Walters Sweeping for annual street sweeping services in an amount not to exceed \$19,500.00. On a roll call vote, all voted in favor. Motion passed.**

- J. Manager Wilson reported that during a traffic study done in 2021, the engineer identified the intersection of Sherwood Ave and Oak St as a good location for a cross walk based on the neighborhood use patterns. The cross walk would include two posts with buttons for pedestrians to press when waiting to cross the street, which would illuminate the crosswalk.

**A motion by Steele, seconded by Wisnaski, to approve the purchase of crosswalk signs and equipment from Carrier & Gable Inc in an amount not to exceed \$5,596.80. On a roll call vote, all voted in favor. Motion passed.**

11. Communications:

- A. **A motion by Steele, seconded by Overhuel, to accept and place on file the May Investment and Fund Balance reports, the May DPS Report, the May WR Report and the DRAFT 6/1/2022 Planning meeting minutes. On a voice vote, all in favor. Motion passed.**

12. Accounts Payable:

**A motion by Keeney, seconded by Wisnaski, that the bills be allowed and orders drawn in the amount of \$82,590.35 for payment of same. On a roll call vote, all in favor. Motion passed.**

13. Public Comments: None.

14. Staff Comments:

Treasurer Kelley reported continuing work on the budget, as well as collective bargaining negotiations and property taxes.

Community Development Manager Siegel reported that the compliance paperwork for the rental rehab CDBG application was nearly complete. She also noted that the farmers' market was going well, and they were having to turn away vendors due to a lack of space. She also reported on updates to the Department of Public Safety website pages. She noted that 3 revolving loans totaling \$39,000 had been issued to local businesses: Around the Board Game Café, Mayor's Joint and Barbed Wire Café.

Director Callahan reported working with Manager Siegel on the Department of Public Safety website page updates, and went over the changes made to allow residents to report concerns, complaints and commendations through the website.

Director Callahan reported that Deputy Director John Varley will have been with the Department of Public Safety for 35 years as of Saturday, June 18, 2022. He commended Deputy Director Varley for the accomplishment and noted that it was amazing to have an office stay with one department for their entire career. He invited everyone to the celebration for Deputy Director Varley on Friday, June 17 at the Department of Public Safety building.

Superintendent Pond noted that the balloon cover at Water Renewal was due to be replaced and he had gotten pricing for the project. He stated that the price originally started at \$180,000 but increased to \$400,000 this year due to the multitude of factors increasing pricing across the board. He noted that he had worked with the vendors to attempt to lower the cost, but the lowest bid anyone provided was \$318,000 which still exceeded the

budgeted amount. He stated the piece of equipment was 17 years old, which was the suggested lifespan of the equipment, however there were no current issues that required attention.

Manager Wilson reported continued work on the Capital Improvement Plan, SEIU negotiations and liquidated damages related to the mill demolition project. He stated that this year's budget has been challenging, and rising gas prices are affecting many aspects of the budget.

15. Council Comments:

Councilmember Overhuel commended Officer Rantz and 2 firefighters that showed up for a limb down blocking the road near his house. He stated that they all did a great job handling the situation.

Councilmember Steele asked if the Department of Public Safety would have to reduce responses to residents based on gas prices, as the news had just reported Allegan County taking that step for their Sheriff's Department.

Director Callahan stated that he did not believe that would be necessary at this time, however the rising gas prices were affecting the budget.

Councilmember Steele noted continued issues with speeding on Sherwood Ave, and that the trees needed to be trimmed along Sherwood Ave at the intersections to allow for better visibility.

Councilmember Wisnaski asked for updates on the ordinance violations that had previously been reported.

Director Callahan provided an update on the ordinance violations and noted that going forward there would be a section of the DPS monthly report that provided ordinance violation information.

16. Adjournment:

**A motion by Steele, seconded by Overhuel, to adjourn the meeting at 8:04 PM. On a voice vote, all voted in favor. Motion passed.**

Minutes respectfully  
Submitted by,  
Margaret Fenger  
City Clerk

MINUTES APPROVED BY CITY COUNCIL  
June 27, 2022

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Margaret Fenger, City Clerk

**MINUTES**  
**Plainwell City Council**  
**June 16, 2022**

1. Mayor Keeler called the special meeting to order at 3:01 PM in Plainwell City Hall Council Chambers.
2. Pledge of Allegiance was recited.
3. Roll Call: Present: Mayor Keeler, Mayor Pro Tem Steele, Councilmember Overhuel and Councilmember Wisnaski. Absent: Councilmember Keeney.
4. New Business:
  - A. City Manager Wilson reported a newer state mandate to sample water asset hardware to compare with recorded inventory. The City has been awarded a grant for the bulk of this work. Fleis & Vandenbrink solicited bids for the water distribution system materials inventory, which will also update the city's GIS information. Underground Infrastructure Services is the recommended firm as the low bidder.  
**A motion by Overhuel, seconded by Steele, to approve a project for water distribution system materials inventory to Underground Infrastructure Services in the amount of \$212,050.00. On a roll call vote, all in favor. Motion passed.**
  - B. City Manager Wilson presented the 2022-2027 Capital Improvement Plan (CIP). The CIP lists all identified projects in excess of \$10,000 and includes a needs assessment, an estimated time line and a proposed funding source. While there are projects listed for several years in the future, the focus in on the current year capital projects. The projects in the future are listed to make Council and the community aware of their need. The projects are prioritized and updated annually. Manager Wilson reported that the Planning Commission has reviewed and approved the document, which will be formally presented to Council on June 27. Council thanked the staff for assembling the document and had no edits at this time.
  - C. City Manager Wilson gave a report on the draft 2022/2023 city budget. He noted that the Solid Waste and Motor Pool (Equipment) Funds were of the biggest concern from a financial standpoint. The Motor Pool Fund provides the gas and diesel for the Public Works and Public Safety departments and with the uncertain cost of fuel into the budget year, the budget reflects a large increase in operational costs. Council had questions about the Airport Fund and work distributions in City Hall. City Manager Wilson also reviewed provisions tentatively agreed to with the SEIU collective bargaining unit, to which Council had questions. Council thanked the staff for assembling the information and had no other comments.
5. Public Comments: None.
6. Council Comments: None.
7. Adjournment:  
**A motion by Wisnaski, seconded by Steele, to adjourn the meeting at 4:35 PM. On voice vote, all voted in favor. Motion passed.**

Minutes respectfully  
Submitted by,  
Brian Kelley  
City Treasurer/Deputy City Clerk

MINUTES APPROVED BY CITY COUNCIL  
June 27, 2022

\_\_\_\_\_  
Brian Kelley, Deputy City Clerk

**City of Plainwell  
Boards & Commissions  
Appointment List  
June 2022**

<b>DDA/BRA/TIFA</b>	<b>4-year term</b>
David O'Bryant	06/2026

<b>Planning Commission</b>	<b>3-year term</b>
Dale Burnham	06/2025
Gary Sausaman	06/2025

**Current Vacancies**  
Compensation Board – 2 vacancies



## “The Island City”

### MEMORANDUM

211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821  
Fax: 269-685-7282

To: City Council  
From: Erik J. Wilson, City Manager  
Subject: Plainwell #2 Dam Project – Engineering Proposals  
Date: June 24, 2022

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In partnership with NOAA and the National Fish and Wildlife Foundation, the Kalamazoo River natural resource Trustees announced in October that 14 projects would be funded with settlement funds from companies responsible for pollution in the Kalamazoo River waterways.

The City submitted a project centered around Plainwell Dam #2 (structures in the mill race) and it was ultimately selected for funding. The \$500,000 grant would fund the engineering necessary to remove and replace all portions of Plainwell #2 Dam (Diversion Dams that create the Plainwell Raceway making Plainwell the Island City and the outflow structure at Plainwell City Hall) and restore the river to riverine conditions to the extent practicable while maintaining flows through the raceway and allowing for fish and recreational boat passage.

The City received 6 proposals from the following engineering firms:

1. Wightman
2. AECOM
3. CDM Smith Inc.
4. GHD
5. LRE
6. Stantec

The administrative review team met on two occasions to review all of the proposals and offer a recommendation to City Council. The administrative review team consisted of members from the Department of Natural Resources (DNR), Michigan Department of Environment, Great Lakes, and Energy (EGLE) and the National Oceanic and Atmospheric Administration (NOAA), as well as myself.

The review team recommends City Council approve the proposal from GHD in the amount of \$478,000. All of the proposals were excellent and it was a difficult decision. The administrative team felt GHD's design and natural channel approach and description were the best fit for what we want to see accomplished.





Proposal for:

# Plainwell #2 Dam and Raceway Structure Removal and Restoration Project

City of Plainwell, Michigan

June 10, 2022



→ The Power of Commitment



# Contents

## Cover Letter

## Project Proposal and Approach

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211 North Main Street, Suite 300  
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49080-1397  
www.ghd.com



June 10, 2022

**Brian Kelley, City Clerk**  
**City of Plainwell**  
**211 N. Main Street**  
**Plainwell, Michigan 49080**

**RE: City of Plainwell - Plainwell #2 Dam and Raceway Structure Removal and Restoration Project**

Dear Mr. Kelley:

GHD Services, Inc. (GHD) appreciates the opportunity to provide our proposal for the above referenced project. Thank you for considering our project team for this important project associated with the Island City, Plainwell, Michigan. GHD has assembled a strong team of technical professionals with the experience and knowledge to successfully execute this project. We believe that GHD's experience, combined with our subcontractor's expertise, will benefit the City of Plainwell (City).

We understand this project. GHD and our subcontractors have successfully completed multiple dam removal and engineering projects with very similar complexity and sensitivities as your project. GHD brings decades of experience, innovation, and creativity to our projects, and we look forward to the mutual success our select team, as well as all of the support staff within the GHD family, will provide to the community of Plainwell.

GHD is committed to the City. We have provided extensive professional services to the City in the past, as well as general support on day-to-day matters related to the Mill property. GHD has local staff available to work on the project and support the community with a firsthand understanding of the area. Furthermore, we are a land owner/taxpayer within the City with property running adjacent to the Mill Race itself. As you can see, GHD has a vested interest in the successful completion of the project and creating a reinvigorated Mill Race to preserve the Island City status. We are dedicated to your success, as your success is our success. As part of this commitment, the City will see throughout our qualifications that the highest levels of knowledge and management have been engaged.

Safety is our core value. Providing a culture that promotes the safety of people and the protection of the environment is a priority for GHD. We know that our employees are the most valuable resource, and they deserve to practice their profession in a safe working environment. We will enforce our safety measures and practices throughout the duration of this important project.

We are excited about the opportunity to once again support the City on this important project. If you have any questions, please contact us. We look forward to further discussions with you.

Regards,

A handwritten signature in black ink, appearing to read "Dan Schechter".

**Daniel Schechter, PE**  
**Project Manager**  
313 999 2333  
daniel.schechter@ghd.com

A handwritten signature in black ink, appearing to read "Jodie Dembowske".

**Jodie Dembowske**  
**Community Contact / Implementation Manager**  
269-685-2733  
jodie.dembowske@ghd.com



# 1. Qualifications and References

## → 1. Qualifications and References

### *Project Team Qualifications*

GHD Services, Inc. (GHD) understands the City of Plainwell's (City) requirement to select a firm that offers the right mix of technical expertise and project experience to ensure that the engineering services for the decommissioning of the Plainwell #2 Diversion dams and the Mill Race Dam, is founded on proven technologies, can be implemented in a manner that is protective of the environment and human health, improves fish passage, and provides the best value to the City. GHD has been providing comprehensive engineering services for dam owners across North America for more than 40 years and is committed to the successful completion of this project. GHD is recognized as industry leaders in the dam rehabilitation, design and restoration space and have recently been selected to present our decommissioning services at a national industry conference, held by the Association of State Dam Safety Officials (ASDSO), for our recent project experience.

GHD has been an advocate for the City at the former Plainwell, Inc. Mill property almost from the onset of your acquisition of the property in 2006. Our local staff, as well as experts from within the GHD family have supported the City during the last 12 plus years of projects conducted at or near the former Plainwell, Inc. Mill site. We initiated our relationship with the City in 2010 when GHD (Conestoga-Rovers & Associates at the time) was contracted by the City to manage the renovations to the Fannie Pell parking lot including the installation of the pedestrian bridge that spans the Mill Race outside of City Hall. GHD solidified our commitment to Plainwell in the summer of 2011, by purchasing, renovating and moving our west Michigan operations from Kalamazoo to Plainwell into the former mill building connected to City Hall via a common entry. GHD has also worked with the City in various capacities on three phases of demolition completed on the former Plainwell, Inc. site in preparation for redevelopment of the Mill site. GHD has conducted building decommissioning assessments, bid specification preparation, assisted with contractor selection and managed the demolition of select buildings associated with the mill complex, as well as the former waste water treatment buildings. GHD has also provided support to the City for restoration efforts including the redevelopment of the former sludge dewatering building into the current Public Safety building.

In addition to working directly for the City, GHD has also been involved/supported the relationship between the City and Weyerhaeuser NR Company during the ongoing remedial action related to soil and groundwater at the Mill property. GHD's involvement with the Superfund work on the Mill property has created good relationships with the



### **GHD's Plainwell MI office**

agencies [United States Environmental Protection Agency (USEPA), Michigan Department of Environment, Great Lakes and Energy (EGLE) and Michigan Department of Natural Resources (MDNR)]. The agencies trust GHD to perform at a high level with competent staff conducting our work safely and efficiently, GHD has a long history of coordinating with MDNR on state regulated impoundments and the successful development of technical plans and specifications to meet the State of Michigan Natural Resources and Environmental Protection Act, 1994 PA 451.

The City can expect another well-managed project from GHD. Led by Mr. Dan Schechter, PE, GHD has assembled a dedicated and enthusiastic team of professionals to undertake this assignment. Supporting Mr. Schechter at the project management level, will be Mr. Damian Nott and Mr. Brian Webster. Mr. Nott, who recently relocated to North America, was our Australian dams service line leader with 22 years of experience in design and oversight of large scale partial dam removals. With his intimate knowledge of these types of projects, Mr. Nott will offer his services as the quality assurance and quality control manager of the project. As a senior manager with over 30 years of experience with GHD, Mr. Webster will provide senior project support to the team to ensure all appropriate resources are dedicated to the project.

Engaging the community in the project is high priority. Connecting with the community early in the project and communicating progress throughout the various steps throughout the project will be managed through local and experienced stakeholder engagement support staff.

As the project evolves, many different components will be involved to achieve the final goal of enhancing the Mill Race for improved fish and recreational passage. One major component of the project that will affect all aspects of the project, that the project area is located within Operable Unit 05 of the Allied Paper/Portage Creek/Kalamazoo River Superfund Site. The potential to encounter contaminants of concern, especially



polychlorinated biphenyls (PCBs), during the course of data collection and implementation of the project will be taken into consideration during all phases of the project. GHD's team includes personnel with the necessary knowledge and experience to perform ecological and human health risk assessments that will likely be necessary to determine feasible options during the dam removal restoration process.

GHD has over 30 years of experience in all aspects of the natural resource damage assessment (NRDA) process. Our experience includes injury assessment, development of enhanced primary restoration and compensatory restoration plans, and negotiating settlements with federal and state resource Trustees. GHD has been active member of the Ad Hoc Industry Natural Resources Group for over 20 years. GHD representatives recently served on a working committee that developed a conceptual model for integrating NRDA throughout the CERCLA process. GHD has incorporated post remedial restoration features that enhanced the services provided by the restored resources for a number of sites including at the Love Canal, 102nd Street Landfill and Star Lake Superfund Sites.

Our team has a wealth of local (Michigan) and North American experience specific to dam decommissioning and river restoration projects. The City can feel confident that we understand this project and have the staff to complete each and every task that makes up a part of this important project. GHD will be partnering with select subcontractors to provide additional synergy for this project. However, GHD will be managing all phases of the project bringing decades of experience, innovation, and creativity to your project and the community of Plainwell.

GHD has strategically retained the services of Environmental Consulting and Technology (ECT) to enhance our project team. ECT has a strong resume



*Star Lake*

pertaining to dam removals including river restoration and fish passage design and will provide their expertise to ensure the project is executed successfully. ECT is a specialty-engineering firm dedicated to restoring rivers, wetlands, and estuaries. More specifically, ECT has experience working with the United States (US) Army Corps of Engineers and recent dam decommissioning experience in the state of Michigan as a key subcontractor on the Watervliet Dams removal project on the Paw Paw River.

GHD will utilize additional subcontractors to support the project as necessary. Trusted subcontractors such as HopkinsBurns Design Studio (State Historic Preservation Office support/Section 106 support), Prein and Newhof (survey), Spicer Group (bathymetric survey work) and Eurofins (sediment sample analysis), are ready and able to perform their tasks for the project.

We've included a table of client references for similar projects, as well as GHD's and ECT's dam experience at the end of this section.

*Devil's Swamp Lake*





## Client Reference Information

Client	Project Name / Location	Reference Information
Star Lake Canal Cooperating Parties (Clark Hill Strasburger)	<i>Star Lake Canal Superfund Site, Jefferson County, TX</i>	Tobias Smith Common Counsel for Cooperating Parties T: 214 651 4611 E: tsmith@clarkhillcom
Potentially Responsible Party (PRP) Group	<i>Human Health and Ecological Risk Assessment, Devil's Swamp Lake Superfund Site, Baton Rouge, LA</i>	John Arbuthnot Director of Facility Closures T: 225 778 3596 E: arbuthnot.john@cleanharbors.com
Westchester County Department of Public Works, Westchester County Department of Parks, Recreation and Conservation, and the Village of Irvington, NY	<i>Woodlands Lake Dam Decommissioning, Irvington, NY</i>	David DeLucia Director of Department of Parks Recreation and Conservation (DPRC) for Westchester County T: 914 760 4915: E: djd2@westchestergov.com
Berrien County Brownfield Redevelopment Authority	<i>Watervliet Dams Removal Monitoring, Berrien County, MI</i>	Dan Fette Director T: 269 983 7111 ext. 8617 E: dfette@berriencounty.org



## Representative Dam Project Experience for GHD

Client	Dam
Country Club of Darien, CT	Goodwives River Spillway Replacement and Pond Enlargement
South Central Connecticut Regional Water Authority, New Haven, CT	Program audit for capital expenditure forecast of Water Authority including Natural Resources (dams, tunnels and conduits)
City of Fulton, NY	Sharps Pond Dam Decommissioning
City of Little Falls, NY	Spruce Lake Dam Inspection & Maintenance Plan, Emergency Action Plan, Engineering Assessment and Safety Inspection
City of Norwich, NY	Canasawacta Creek Dam Decommissioning
City of Norwich, NY	Reservoir #1 Dam Emergency Action Plan, Inspection & Maintenance Plan, Engineering Assessment & Safety Inspection
City of Rome, NY	Boyd Dam Emergency Action Plan, Engineering Assessment and Safety Inspection; 2 year Safety Inspection
City of Sherrill, NY	Oneida Ltd . Dam No. 2 Feasibility Report for Repair for Decommissioned Dam
City of Syracuse, NY	Upgrades to Skaneateles Lake Dam
Orchard Park, NY	Green Lake Dam Emergency Action Plan & Inspection and Maintenance Plan Update
Port Jervis, NY	Reservoir #1 Dam Emergency Action Plan, Engineering Assessment and Safety Inspection
Town of Peru, NY	Water Supply Reservoir Dam Restoration and Bypass Pumping Structure Design and Construction
Van Hornesville, NY	Van Hornesville Dam Feasibility Report for Repair and/or Decommissioning of Dam
Village of Mamaroneck, NY	Mamaroneck Dam at Westchester Joint Water Works Emergency Action Plan, Inspection and Maintenance Plan, and Decommissioning Plan
Westchester, NY	Pocantico Lake Dam Emergency Action Plan and Inspection Maintenance Plans and Remediation Project to meet State Standards for Design and Construction
City of Westminster, MD	Modification of Medford Quarry Dam for a Raw Water Intake Structure
Palmyra, NY	Industrial Client - Dam Evaluation for classification purposes and potential regrading of area adjacent to Dam
Cambridge, NY	New York American Water - various water supply dams' evaluations for repairs
Borough of Tyrone PA	Design of Repair to Spillway

## Representative Dam Project Experience for ECT

Client	Dam
Washtenaw County Water Resources Commission	Johnson Creek Inter County Drain Habitat Restoration
Alliance of Rouge Communities/Wayne County	Rouge River AOC NOAA: Wayne Road Dam Removal
Alliance of Rouge Communities/City of Farmington Hills	Rouge River AOC Danvers Pond Dam Removal Implementation
Alliance of Rouge Communities/Wayne County	Rouge River AOC Oxbow Restoration Phase 3
Berrien County Brownfield Redevelopment Authority	Watervliet Dam Removal and Stream Restoration
Alliance of Rouge Communities/ Northville Township	Rouge River AOC- Johnson Creek Fish Hatchery Park
Alliance of Rouge Communities/ City of Southfield	Rouge River AOC Tamarack Creek Restoration
Alliance of Rouge Communities/ Wayne County Parks	Rouge River AOC Wetland and Habitat Restoration at Riverview, Sherwood, Bell Creek, Lola Valley, and Lower Rouge
Alliance of Rouge Communities/ Wayne County Parks	Rouge River AOC Habitat Restoration at Colonial and Venoy Parks
Alliance of Rouge Communities/ City of Farmington Hills	Rouge River AOC Seeley Creek Restoration "
Wayne County	Rouge River AOC Nankin Lake Restoration"
Alliance of Rouge Communities/Wayne County	Rouge River AOC Henry Ford Estate Fishway"
Alliance of Rouge Communities/City of Southfield	Rouge River AOC Transforming the Rouge: Valley Woods wetland restoration; grow zones
Henry Ford CC	Kingfisher Bluff Restoration
City of Southfield	Carpenter Lake Restoration
Wayne County	Newburgh Lake
Wayne County	Oxbow Restoration Phase I
Friends of Detroit River	Stony Island Restoration Implementation
Friends of Detroit River	Celeron Island Restoration Implementation
Friends of Detroit River	Stony and Celeron Islands Restoration Design
Friends of Detroit River	U.S. Steel Shoreline Habitat Restoration
Friends of Detroit River	Blue Heron Lagoon Restoration
Friends of Detroit River	South Fishing Pier Restoration



## Representative Dam Project Experience for ECT

Client	Dam
City of Monroe	Sterling Island Restoration
EQM/U.S. EPA	St. Clair River AOC - Port Huron and Cottrellville Restoration Implementation
Faust Corp/St. Clair County Drain Commissioner	St. Clair River AOC - Marine City Drain Restoration Implementation
Inland Lakes/City of Marysville	St. Clair River AOC - Cuttle Creek Restoration Implementation
Michigan Department of Environmental Quality	Portage Creek Restoration
Alliance of Rouge Communities	U.S. Forest Service: Reforestation Grants
Alliance of Rouge Communities/RRAC	Rouge River Remedial Action (RRAC) PAC Support
Confidential Client	North Maumee Bay Habitat Restoration
EPA/GLNPO	Ecosystem Based Habitat Blueprints Great Lakes AOCs
Boardman River Dams Committee	Dams Feasibility Study on Boardman River
City of Ann Arbor	Miller Creek Streambank Stabilization
City of Ann Arbor	Millers Creek Sedimentation Study
City of Southfield	Streamwood Streambank Stabilization
City of Southfield	Beechwoods Streambank Stabilization
Thurston Nature Center/ Ann Arbor Public Schools	Thurston Pond Restoration
University of Michigan	Restoration Nicholas Arboretum-Huron River
Cranbrook Institute of Science	Kingswood Lake Restoration
Huron River Watershed Council	Mill Creek

## → Firm Overview

GHD has **130+** dam professionals to meet the City's project needs

→ We are a global professional services company that leads through engineering, construction and architectural expertise. Our forward-looking, innovative approaches connect and sustain communities around the world. Delivering extraordinary social and economic outcomes, we are focused on building lasting relationships with our partners and clients.

Established in 1928, we remain wholly owned by our people. We are 10,000+ diverse and skilled individuals connected by over 200 offices, across five continents – Asia, Australia, Europe, North and South America, and the Pacific region.

**90+** years in operation  
**135+** countries served  
**200+** offices worldwide  
**1.6<sup>B</sup> USD** revenue **2021**  
**5** global markets  
**10<sup>K</sup>** people  
**50+** service lines

↳ Providing engineering, environmental, advisory, architecture, digital and construction services



## Communication

Clear, unambiguous lines of communication and reporting are essential to effective project team leadership and management, and ultimately, to project success. Our project management approach is built on trust, a clear definition of shared goals, and a mutual understanding of the steps needed to achieve those goals.

We have assembled a team custom-fit to your program, with directly relevant Engineering and Architectural experience for a variety of building and facilities for various State agencies. GHD recognizes that beyond establishing the vision and organizational structure, to operate as a high performing team, it is essential for all stakeholders to be fully aligned and working on the same assumptions.

## Quality Assurance / Quality Control

A strong quality program is a core element of the GHD approach to project management.

**GHD's quality assurance program is governed by GHD's North American Quality System which is certified to the ISO 9001 International standard and is audited regularly by external auditors and our internal quality teams.**

GHD has developed the quality system in a streamlined approach, using standardized forms and checklists to make compliance simple and allow for easy internal and external system auditing. In order to maintain the ISO 9001 accreditation, compliance with the quality system must be documented for each project.

The quality assurance portion of the overall quality system establishes processes for project execution that contribute to high-quality projects. These quality assurance practices can be of a technical or administrative nature. For instance, experience has shown that maintaining continuity of key project members throughout the entirety of a project helps contribute to overall project quality.

As such, the GHD quality assurance program requires documentation of key project team personnel at the beginning of a project and requires that changes in key personnel are both documented and approved with justifications for the changes.

The goal of the quality control portion of the system is to provide for detailed technical reviews of work products by senior professionals independent of the project team to ensure clarity, accuracy, completeness, constructability, and consistency. The quality assurance procedures require mandatory quality control reviews at each phase of the project and prior to submitting any

deliverable to a client. GHD's senior management team reviews the client satisfaction results on a regular basis to identify any areas where performance has dropped below satisfactory levels and to identify any emerging trends to allow appropriate corrective actions to be put in place.



## → Commitment to DBE Participation

As a firm, GHD is committed to meaningful participation of DBE firms on all of our projects, and to satisfying or exceeding the City's MBE, WBE, and / or SVDOB participation goals.

GHD's has long established relationships with local DBE partners, having collaborated previously on similar projects. As our scope of services for this work is refined, these roles will be refined as well.

## Subconsultants



(Fish Habitat / Permitting) - **Environmental Consulting & Technology, Inc. (ECT)**, serves private and public sector clients by integrating science, engineering, technology, planning and management systems to provide practical solutions to complex challenges. Founded in 1988, ECT has more than 28 successful years of experience working to restore water resources in Michigan. Restoration projects, particularly those within a river system, often present challenging environmental problems. They require an approach that thoroughly considers the unique project-specific funding, regulations, ecology, engineering, setting, stakeholders, goals, and social issues. ECT understands that this thorough approach is essential to achieving sustainable solutions and, therefore, uses natural design principles that restore and stabilize aquatic environments, while creating lasting landscapes where people connect with and experience these vital ecosystems.

ECT builds strong relationships with clients and facilitates beneficial relationships with local, state, and federal agencies. These relationships enable staff to provide practical and sound solutions to difficult challenges, resulting in proactive, effective management of aquatic biological resources. The ECT staff members develop cost-effective scopes of study, based on best management practices, to achieve the project goals. With expertise in fisheries, aquatic ecology, and water quality, ECT, offers clients tailored solutions for complex environmental projects ranging from regulatory compliance and industrial permitting to habitat restoration and sustainable practices. ECT has nationwide experience working for and with the regulated community. Their unparalleled Project Experience includes:

- Extensive experience working in impacted streams and designing restoration projects meeting their particular challenges.
- Overseen construction of numerous miles of toewood in Michigan rivers.
- Extensive experience with community outreach and education efforts to engage the public.
- A vast amount of experience working on NOAA and Great Lakes Restoration Initiative grant-funded projects.



(Survey) - **Prein&Newhof** has grown from a venture of two engineers working from rented space in Grand Rapids in 1969, to an established business that employs more than 150 people across Michigan. When it comes to surveying, small details make a big difference. Of course, detailed information is only useful if you can understand it, so Prein&Newhof strive to present surveys clearly and their plans are always clean and easy to read—designed with you in mind.

Accuracy and thoroughness is their focus—researching and reviewing each survey carefully to meet your specific needs. Their state-of-the-art equipment allows them to accurately and efficiently transfer information from field to plan and back again. History is also important; Prein&Newhof has records of surveys in the State of Michigan that date back to the early 1900s. Their capabilities include: Addressing; ALTA/ACSM; As Constructed; Boundary Surveys; Cemetery Surveys; Construction Staking; Deed Mapping; Drain Surveys; Legal Descriptions; Mortgage Inspections; Quantity Surveys; Topographic Surveys (With Unmanned Aerial Photography).



(Riverine Substrate Contractor) - **Spicer Group's** focus is on the Earth's surface waters including lakes, creeks, streams, rivers and storm water runoff—and how they affect the world we live in. Their Water Resources Group is a collection of highly-educated engineers and designers who specialize in finding a balance between the Earth's surface, water, natural environment, and society. This is accomplished by way of innovative storm water drainage and flood control designs, dam design and inspection, development of storm water management plans, unique in-stream and stream bank restoration efforts, and quality-engineered lake level control structure designs and plans. They have years of experience using the natural environment and green-engineering practices in managing storm and surface water issues and pride themselves on being able to accomplish this while implementing design parameters that produce equal benefits to the public, natural environment and their clients' budgets.



(Cultural Resources/SHPO/Archeology) - **HopkinsBurns Design Studio** has had extensive experience working with the Michigan State Historic Preservation Office (SHPO). Individual team members for this project have SHPO project experience ranging from 10 to 40+ years. Our projects with SHPO involvement include Historic Tax

Credit projects, National Register nominations, Section 106 reviews, projects funded by SHPO-administered grants, and Michigan Lighthouse Assistance Program grants. We are familiar with SHPO procedures and staff and have a working knowledge of their expectations. At the Plainwell Mill, we authored the site's National Register Nomination, have been involved in the rehabilitation of Buildings 17 and 18, demolition of non-historic buildings in 2010 (including Section 106 review), and additional demolition work between 2019 and 2022 – all of which involved SHPO oversight or approvals.

## **Examples of Pollutant and Toxin Analysis and Ecological Risk Assessments**

### *Devil's Swamp Lake Superfund Site*

GHD conducted both a Human Health Risk Assessment (HHRA) and an Ecological Risk Assessment (ERA) as part of the Remedial Investigation/Feasibility Study for the Devil's Swamp Lake Site. The Site consists of a man-made lake and associated wetlands located on the Mississippi River floodplain. PCBs were identified by the USEPA as the primary constituents of concern (COCs). The objectives of the HHRA and ERA were to determine whether exposure to PCBs via surface water, sediment, and biological tissue pose potential health risk/hazards to human and ecological receptors. To evaluate potential health risks to ecological receptors, GHD conducted a Screening-Level Ecological Risk Assessment (SLERA), Step 3 Problem Formulation report, and Baseline Ecological Risk Assessment (BERA). The SLERA and Step 3 identified a potential for risk to fish due to bioaccumulation of PCBs and to avian and mammalian wildlife due to consumption of benthic invertebrates and fish from the Lake. GHD successfully negotiated no further assessment of risk to the benthic invertebrate community for the BERA using scientifically based arguments regarding the ecotoxicology of PCBs. The BERA considered Site-specific exposure for fish and wildlife by analyzing whole body crawfish and fish (bass, catfish, and sunfish) collected from the Lake for 209 PCB congeners and developing Site-specific biota-sediment bioaccumulation factors (BSAFs).

The BERA concluded that body burden concentrations of PCBs in fish tissue and consumption of crawfish and fish from the Lake do not pose unacceptable to fish and wildlife, including bald eagle. Based on the strength of the BERA, the Agencies concluded that remedial measures are not required for protection of ecological receptors.

### *Star Lake Canal Superfund Site*

The Star Lake Canal Superfund Site is a 400-acre complex of water courses and tidal marsh adjacent to the Neches River in Jefferson County, Texas. GHD performed multiple phases of soil, sediment, surface water and biological tissue sample collection as part of the RI. Both human health and ecological risk assessments were performed. The ecological risk assessment identified potential risk to ecological receptors based on several COCs, including PCBs.

The remedial action for the Site was driven by protection of benthic invertebrate communities exposed to PCBs, PAHs, pesticides, and metals in sediment. The Record of Decision (ROD) identified approximately six acres of water course and 21 acres of tidal wetlands requiring remediation. GHD worked with natural resource Trustees representing the state of Texas, United States Fish and Wildlife Service (USFWS), and National Oceanic and Atmospheric Administration (NOAA) on a cooperative Natural Resource Damage Assessment (NRDA) for the Site. GHD incorporated habitat enhancements into the remedial design (RD) to replace loss of ecological services and to provide credits for compensatory restoration. In particular, the RD included measures to ensure that the RA would not adversely affect water levels and tidal flow in the marsh.

The Record of Decision (ROD) identified placement of a cap over existing elevations in a sizable portion of the marsh, which would convert tidal marsh to uplands. In order to preserve marsh habitat, the RD provided details for physical removal of Phragmites, an aggressively invasive nonnative plant species, and grading the area of Phragmites removal to create an interspersed of open water habitats with restoration of native tidal marsh plant species. The cooperative NRDA will focus on the injury assessment and identification of opportunities for enhancing areas of the tidal marsh outside the limits of the Remedial Action.



# 2. Scope of Work



# Project Understanding

The Island City has a great opportunity to remove outdated infrastructure and restore a reach of the Kalamazoo River for improved habitat value and recreational boating. The design of this multi-benefit project is being funded by the Kalamazoo River Natural Resource Trustees through a partnership grant with the National Oceanic and Atmospheric Administration (NOAA) and the National Fish and Wildlife Foundation (NFWF).

On August 30, 1990, the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site was officially included on the National Priorities List (NPL) pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, 1980 PA 96-510. GHD understands that the site was placed on the NPL because the sediments, soils, water column, groundwater and biota within this site were contaminated with PCBs. The PCB contamination was the result of area paper mills discharging the waste from their recycling of carbonless copy paper. The Kalamazoo River, including the Mill Race in Plainwell, Michigan are part of Operable Unit No. 05 (OU-05) of the larger Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site. The Plainwell, Inc. Mill property is identified as OU-07. OU-07 extends to the top of the bank of the Kalamazoo River/Mill Race and does not include sediments.

This project will remove the Plainwell #2 Diversion Dam, the Mill Race Dam and associated infrastructure and will implement natural channel restoration work and in-stream grade control riffle structures as needed to facilitate fish and recreational passage. By utilizing natural structures in-stream to accommodate variable flow conditions while maintaining a desired baseflow through the Mill Race, infrastructure maintenance costs to the city are expected to be reduced over time. Furthermore, GHD understands that the MDNR, as primary owner of the Plainwell #2 Diversion Dams, is in agreement with the removal of those structures.

During the design and scoping phase of the project GHD will be sure to keep options available to the City to allow future plans to be carried out as easily as possible. Communication is key and GHD will work with the City to ensure the project progression and plans are understood and agreed upon.

## ➔ 2. Scope of Work Outline

The scope of services for the dam decommissioning project will include the tasks to fully execute the project through Design and Bidding Phase Services. The following outline is described in more detail in Section 3.

- Task 1 - Investigation / Schematic Design
- Task 2 - 30%, 60%, 90% Design Development
- Task 3 - Permitting
- Task 4 - 100% Design Development
- Task 5 - Bidding Services

There will be several physical deliverables for the dam removal services required to bring the project to successful completion. Design will be data driven and we will be sharing information with the City along the way for review and input as the design progresses.



*Mill Race Upstream*



*Mill Race Downstream*



The following are deemed necessary:

- Schematic Plan – Figures and Technical Memorandum
- 30%,60%, 90%, and 100% Contract Drawings and Technical Specifications
- Opinion of Probable Cost Estimate
- Permit Applications
- Letter of Bid Recommendation

GHD is prepared to begin work immediately after receiving Notice-To-Proceed (NTP). It is anticipated the design assignment (including securing permits) will take approximately 17 calendar months pending review times by the City and Regulators. The following project milestones are proposed to meet the project deadlines.

Task	Deliverable
Notice-to- Proceed	Week of 7/11/22
Site Inspection	Week of 8/1/22
Bathymetric / Topographic Survey	Week of 9/5/22
Sediment / Water Quality Sampling	Week of 9/19/22
Hydrologic and Hydraulic Analysis	Week of 10/3/22
Schematic Design Deliverable	Week of 10/10/22
City Review	until 10/27/22
MDNR Engagement Meeting	Week of 11/24/22
30% Design Deliverable	Week of 12/19/22
60% Design Deliverable	Week of 2/13/23
90% Design Deliverable	Week of 4/10/23
Procure Permits	Week of 11/6/23
100% Design Deliverable	Week of 11/20/23
Bid Letting	Week of 11/27/23





## Assumptions

- Regarding FEMA, no Conditional Letters of Map Revision / Letter of Map Revision (CLOMR/LOMR) are included or expected to be necessary, as we understand the preliminary FIS has not been finalized and we assume it will not be finalized during this project. A no net rise certification may be required to be completed. Once FEMA requirements are confirmed, GHD could prepare an appropriate scope of work and fee to execute the work.
- The Mill Race Dam and the Plainwell #2 Dam are both located within Area 1 of Operable Unit 05 of the Kalamazoo River Superfund Site at River Miles 56.6 and 58.3, respectively. A Time-Critical Removal Action (TCRA) was performed from 2007 to 2009 at the Former Plainwell Dam which is located downstream of the Mill Race Dam. Approximately 127,000 cubic yards of sediment and soil were removed and disposed off-site. From 2009 to 2010 another TCRA was performed at the Plainwell Dam #2. This TCRA removed approximately 16,000 cubic yards of sediment and soil which were also disposed off-site. The sediment performance standard goal was the same for both TCRA's (i.e., 1 mg/kg PCBs) and PCB concentrations in sediment is expected to naturally attenuate. A review of pre- and post-2018 PCB data for the Mill Race area showed sediment concentrations were less than 1 mg/kg. Based on the foregoing, it appears unlikely that elevated concentrations of PCBs would be encountered in sediment associated with removal of the dam remnants. We are therefore assuming that any off-site disposal of sediment would not include TSCA-regulated material.
- GHD has provided submittal dates along with turn-around times to accommodate the regulatory review process for the purpose of this proposal. Assumptions were made based on our prior experience with these offices:
  - For SHPO – allow for 90 working days
  - For USACE – allow for 150 working days
  - For EGLE, individual permits – allow for 120 working days
  - For MDNR and local permitting – allow for 30-90 working days
  - No known endangered species or threatened species are identified within the project areas
  - Our assumption is that a mitigation plan will not be needed as an outcome of the Section 106 review. If it is determined that one is necessary, we will provide this as an additional service.
- Proposal assumes nominal costs required to gain access to private property at the Plainwell #2 Dams location
- Based on available data, an Environmental Assessment (EA) will not be required at this stage; therefore, no costs are included herein
- Permit Application fees are not included in design fee
- GHD would utilize the Terms and Conditions similar to those currently in place with the City of Plainwell



# 3. Narrative



## → 3. Narrative

The following narrative details specific considerations important to the successful design, permitting, and issuance for bid of this project.

### Project Familiarization

GHD will review existing plans and information provided by the City. GHD already has copies of some of the materials in our office. We also will use the information provided in the RFP including (in no particular order):

1. Kalamazoo River NRDA Administrative Record: <https://www.diver.orr.noaa.gov/web/guest/diver-admin-record?diverWorkspaceSiteId=6723>.
2. Kalamazoo River Trustees, 2021 – Kalamazoo River NRDA Trustee Council Resolution 2021-02; [https://pub-data.diver.orr.noaa.gov/admin-record/6723/Kz%20TC\\_Resolution%202021\\_02%20SRP\\_EA%20and%20project%20funds%20signed%2009\\_16.pdf](https://pub-data.diver.orr.noaa.gov/admin-record/6723/Kz%20TC_Resolution%202021_02%20SRP_EA%20and%20project%20funds%20signed%2009_16.pdf).
3. Kalamazoo River Trustees, 2021 – Kalamazoo River Supplemental Restoration Plan and Environmental Assessment – Final; [https://pub-data.diver.orr.noaa.gov/admin-record/6723/Final%20Kz%20SRP\\_EA%202021%20final.pdf](https://pub-data.diver.orr.noaa.gov/admin-record/6723/Final%20Kz%20SRP_EA%202021%20final.pdf).
4. USGS, 2006 – Fluvial Geomorphology – Study of the Kalamazoo River. <http://mi.water.usgs.gov/splan5/sp11100/kfluvial.php>.
5. USGS, 2005 – Historical and Simulated Changes in Channel Characteristics of the Kalamazoo River, Plainwell to Otsego, Michigan; <https://pubs.usgs.gov/sir/2005/5044/pdf/SIR2005-5044.pdf>.
6. USGS, 2003 – Annotated Bibliography of Selected References on PCB and the Kalamazoo River Superfund Site, Michigan, 1982-2002; <https://pubs.usgs.gov/of/2003/ofr03-338/pdf/OFR2003-338.pdf>.
7. Water-Resources Investigations Report 02-4098 (Sediment Distribution and Character Related to Select Dams on the Kalamazoo River) .
8. USGS Scientific Investigations Report 2005-5044 (Historical and Simulated Changes in Channel Characteristics of the Kalamazoo River, Plainwell to Otsego, Michigan).

GHD will review and summarize what is known from this existing information in a brief memorandum with highlights specific to applicable design criteria (e.g., natural channel dimensions, plan, profile; habitat criteria; and fish passage criteria for target fish species). Within the draft memo, which will become part of the Basis of Design Report, GHD will summarize the current understanding of the fluvial geomorphology of the system, historic and current conditions, and potential future stable conditions

following dam removal. The memo will be shared with the City and other stakeholders as appropriate for discussion and establishment of consensus on a conceptual approach for stream restoration following dam removal.

### Utility Coordination

GHD will contact utility companies that may have facilities adjacent to the impoundment and obtain their utility plates. GHD will work with the utility companies to coordinate any utility upgrades that may be required under this project. The surveyor will add utility locations to the survey to be completed.

### Project Planning

GHD will identify inputs and information and measurements that need to be obtained, e.g., analyses of specific contaminants, toxicity test results, biological assessments, bioaccumulation data, survey data for channel cross-sections and long profile, habitat assessments, hydrology, hydraulics, and water quality characterizations.

GHD will coordinate with the City and MDNR to define the study boundaries, establishment of consensus on a conceptual approach for stream restoration following dam removal, identify potential sources of contamination; determine the location of sediment deposition zones; determine the frequency of sampling and needs. GHD understands MDNR's intent is to focus the majority of the sampling program along the primary stream corridor which is most likely to be impacted during the proposed dam decommissioning. GHD will coordinate all sample locations with the MDNR.

Based on GHD experience with dam removal/modification, special consideration will be made to the topography and natural riverine features within the backwater area, hydraulic patterns, flow event frequency, and/or sedimentation accumulation for determining sampling frequency and locations. Correspondingly, good topographic surveys are needed in order to accurately assess the backwater area. As part of the planning process GHD will prepare a project specific health and safety plan (SSHP) for the project.

### Assessment (River Morphology)

An assessment of river morphology will be conducted to determine the geomorphic grade line and level of stream instability. GHD will complete a desktop analysis of drainage area, local USGS gauge station flows, and bankfull hydrology. Field indicators will be flagged in the field using pin flags prior to the survey and the location and ground surface elevation recorded during project surveying.

## Survey and Base Plan Preparation

GHD will create base plans for the project using Light Detection and Ranging (LiDAR) data, if available and can be provided by the City. The base plan coverage will be sufficient to cover the entire impoundment area as well as areas downstream of the dams. The base plan will also show potential construction staging and access areas.

The surveyor will utilize the current Site datums and establish additional survey control points as necessary for the future construction. Any existing plans provided by the City may be used to help develop the base map.

At a minimum, the following features will be included in the survey:

- Dam, associated retaining walls, and adjacent slopes
- Thalweg profile (lowest points along the length of the Mill Race) from the dam to at least 200 feet downstream of the dam and 200 feet upstream of the impoundment (the remaining profile through the impoundment will be generated from the bathymetric survey)

Channel cross sections through the project reach:

- All possible areas of work
- Potential areas of access for construction equipment
- Underground utilities, if any, in the active project area identified via a Michigan One Call

GHD will perform a bathymetric and sediment survey by surveying the backwater area by a licensed surveyor using conventional topographic and hydrographic methods to provide mapping and a digital terrain model of the backwater area, sediment surface, dam, and pool area below the dam. The sediment sampling locations will also be surveyed to provide horizontal coordinates and vertical elevations will be coordinated with existing water or ground levels at the time of surveying and sampling. Horizontal and vertical control will be based upon the Michigan State Plane Coordinate System, North Zone on the North American Datum of 1983 and the National Geodetic Vertical Datum of 1929.

*Conventional Bathymetric Survey:* With the water levels at close to normal pool elevation, GHD will facilitate a hydrographic survey of the impoundment. The bathymetric data will be gathered in a 10' transverse x 50' longitudinal grid over the extents of the backwater utilizing sonar sounder techniques. Additional data will be gathered in locations where uncharacteristic stream bed features were identified during previous studies. The bathymetric survey will identify the top of impounded sediment. Sediment depth probes will be completed to identify depth of refusal (DOR). Probes will be completed

approximately every 200' along the impoundment profile and include at least three locations across the impoundment perpendicular to the profile.

Survey data will be provided in hard copy format and digital format. Digital topographic maps are to be provided in AutoCAD format (2019 or newer). All hard copy plans are to be signed and sealed by a Michigan licensed land surveyor.

To complete the work described above, GHD and its subcontractors will need to work on the water behind the dam. For health and safety purposes, the dam spillway cannot be active while boats or barges are on the water. Since the spillway is uncontrollable, the health and safety plan will accommodate for boats, barges, equipment, and personnel on the water during overflow.

If available, the LiDAR data will be blended with the bathymetry field topographic survey (channel thalweg survey upstream of impoundment and downstream of dam). Cross sections and profiles can then be generated where needed for project design. The profile will show channel conditions entering the lake, water surface, top of sediment, depth of refusal dam crest and channel conditions downstream of the dam. Likewise, cross sections across the impoundment will show water surface, top of sediment and depth of refusal. This information will be used to estimate impounded sediment volumes.

GHD will conduct a cross-section survey to provide the geometric data to be used for the hydraulic and sediment transport modeling. The survey will cover the approximately 2-mile river reach from the dam along the Kalamazoo River.

## Channel Survey Data

Channel survey data will be entered into RiverMorph for design and to share with the technical team. RiverMorph will be used to calculate bankfull hydraulics and sediment competence. Once the RiverMorph database is built, RiverMorph can be used during design development to evaluate project design alternatives. The preliminary geomorphic assessment will include quantitative measurements of dozens of key parameters based on the WARSSS framework (Rosgen, 2007) including, but not limited to:

- Time-trend analysis of historical aerials
- Existing and proposed river gradient, historical geomorphic grade line, pool spacing
- Bankfull discharge, velocity, shear stress, sediment competence
- Bankfull width-to-depth ratio, entrenchment ratio, bank height ratio, pool depth ratio

- Planform measurements from aerials such as: sinuosity, radius of curvature-to-width ratio, belt width, channel migration zone
- Channel bed and bank materials
- Determination of bankfull discharge and dimensions at upstream reference reach(es)
- Qualitative assessment of the class of vegetative community and invasive species

Following the collection of data, a Geomorphic Assessment Report will be prepared to document existing morphological conditions. This document will be shared with the technical team to build consensus and used to support permitting.

## Wetland and Floodplain Delineation

A wetland and floodplain delineation will be conducted to identify and delineate features subject to EGLE and local jurisdiction. The wetland delineation will follow the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual, and appropriate Regional Supplement(s) and the statutory criteria of Part 301, Inland Lakes and Streams, Part 303, Wetlands Protection, and Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994, PA 451, as amended. Delineated wetland boundaries will be flagged for later surveying. Delineation of the floodplain will rely upon existing 100-year base flood mapping conducted by the Federal Emergency Management Agency (FEMA). Applicable Flood Insurance Rate Maps, Flood Insurance Study, and spatial data will be obtained from the FEMA website and used to develop mapping in support of project design and permitting. A Wetland and Floodplain Delineation Report will be developed to document the methods and results and support permitting. The wetland delineation report will include text, maps, aerial photographs, site photos, and USACE wetland data forms.

## Assessment (T&E)

An assessment of Threatened and Endangered (T&E) plant and animal species will be conducted by querying the Michigan Natural Features Database and the U.S. Fish & Wildlife Service Information for Planning and Consultation System (iPaC). A list of threatened and endangered species will be developed using spatial queries centered on the affected project area. In addition, existing available information for the Kalamazoo River Superfund Site will be obtained and reviewed for pertinent information regarding T&E plant and animal species. Species on the list generated by our spatial queries and information review will be evaluated to determine those that have the potential of existing within the affected project area and

affected by the project based on habitat and life history. The query will be condensed into a list of T&E species of interest for further consideration. Habitat and life history information for those species of interest will be obtained from available public sources for further evaluation. A final list of T&E species that could reasonably be impacted by the project if present will be presented to the project technical team for consideration. Species-specific surveys are not included in this scope of work and may or may not be necessary. Consultations with the technical team and applicable state/federal agencies will be used to determine if any species-specific surveys are necessary. Any surveys deemed necessary will be developed into a scope of work and costs estimates developed as needed.

## Sediment and Water Quality Sampling Plan

From preliminary investigations, GHD understands that the improvement at the dam will consist of a dam removal. Of concern with any dam lowering or removal project is the potential release of accumulated sediments to the downstream river channel and aquatic environment, and the subsequent geomorphological change in the downstream river. To evaluate the sediment flushing potential of lowering the subject dam in this project, it is important that the sediment deposit in the reservoir be accurately sampled, tested and characterized. This would include selected physical sediment properties including the determination of grain size distribution, Atterberg limits (for cohesive sediment), porosity, density, water content, and possibly the cohesive strength of the deposited sediment. Organic matter content and pollutants in the deposited sediment must also be determined to be used in evaluating the environmental impacts of any sediment flushing to the downstream channel. If possible, sediment sampling of the reservoir inflow (concentration, particle size, and turbidity) should be performed since they play important role in the sediment transport analysis to be followed.

GHD has recommended the following sediment testing protocols to be used for project: A maximum total of 45 borings will be advanced in the backwater area using a barge mounted Geoprobe. Each of the proposed borings will be advanced through the sediment until refusal. The drilling firm will set casing through the water column into the sediment and dewater the sampling location. The Geoprobe borings will be advanced through the casing utilizing a four-foot-long discrete sampler, which will be pushed using the hydraulic rams of the Geoprobe rig. A maximum of 45 sediment samples will be collected using a four-foot MacroCore open sampler. The sample tube will be retrieved from the subsurface, cut along its length, and visually inspected. Sediment samples will be collected until refusal to confirm the sediment thickness.



Each of the sediment samples submitted to the laboratory will be analyzed for Grain Size, Organic Content, Porosity including Specific Gravity, Density, Water Content, Turbidity of the samples using a hydrometer over a six-day period, and the Compressive Strength. Shear testing of selected samples (at least 8 samples) of the top layer of sediment deposit, which might show strong cohesion strength, will be conducted to provide the critical shear stress for cohesive sediment to be used in the sediment transport modeling.

GHD will provide field oversight and facilitate laboratory analysis of the samples collected. GHD has made assumptions for testing durations and required field time for the purpose of this proposal. GHD will facilitate a turbidity control program during the course of the backwater sediment sampling program.

Steps to be taken to limit turbidity and sediment movement during the course of the backwater sediment sampling program may include: 1) establish compliance level at a level established by MDNR Central Office above ambient background levels; 2) daily water quality sampling during sampling operations within 50 feet of the barge to determine the ambient water quality at locations where sampling will take place; and 3) turbidity monitoring on a regular basis at established mixing zone locations downstream of the dam (approximately 500' downstream).

GHD proposes a total of five borings will be advanced in the primary stream corridor area at locations coordinated with the MDNR and near spillway locations to evaluate the chemistry of the sediment. Each of the proposed borings will be advanced four feet into the sediment or until refusal, whichever occurs first. The sample tube will be retrieved, cut along its length, and screened for visual/olfactory evidence of contamination. It will also be screened with a photoionization detector (PID) for the presence of contamination.

A sediment sample will be collected from the interval that exhibits the highest PID reading. If no PID readings are measured, a sediment sample will be collected from the bottom of the borehole.

Each of the sediment samples submitted to the laboratory will be analyzed for full Toxicity Characteristic Leachate Procedure (TCLP) parameters. TCLP parameters include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, herbicides, metals, corrosivity, ignitability, and cyanide.

## **Hazardous Materials Testing**

GHD proposes testing protocols for hazardous materials for the demolition of the Mill Race and Diversion

structures. The protocols which have been included in the scope are PCBs, Lead Paint, and Asbestos. The laboratory will provide ASP Category B QA/QC deliverables. A QA/QC review of the data will be completed for quality control purposes.

## **Engineering Analysis**

Based on the sediment sampling results and the river hydrology, GHD will conduct a sediment transport analysis/modeling to estimate the reservoir sediment deposit to be flushed out of the reservoir as a result of the dam lowering. Due to the relatively shallow water depth and the general uni-directional flow in the reservoir, the U.S. Army Corps of Engineers (USACE) Hydrologic Engineering Center (HEC) river analysis system HEC-RAS will be used in this design, based on our preliminary evaluation of the existing site conditions. A more complicated modeling study utilizing Delft-3D (including sediment modelling) and also with CFD (Flow-3D and OpenFOAM) may be conducted after further assessment of the flow conditions in the reservoir with the updated survey data during the design phase of this project. For the purpose of this proposal, a fee has been included for the 3D modeling approach, GHD will re-evaluate the modeling recommendation and consider the 1D model approach after evaluation of the bathymetric and sediment survey has been completed. If it is determined that the one dimensional model will suffice, a cost savings to the City could be realized.

Based on the survey results, GHD will also conduct a sediment calculation to determine the total sediment deposit in the reservoir and annual sediment loading to the reservoir. This would then be used as the sediment loading conditions at the upstream boundary of the sediment transport model for the reservoir.

GHD will also conduct a hydraulic and sediment transport analysis/modeling for the downstream river between the dam and attenuation to determine any potential deposition of the sediment being flushed out of the reservoir. Again, for this design, the USACE HEC-RAS program will be used for this purpose.

GHD will prepare two copies of a draft technical memorandum for submittal to the City and the MDNR for review and comment. The report will include a summary of the background information and investigative procedures. The report will include a discussion of the analytical data collected during our site investigation. The technical memorandum report will include topographic maps and cross-sections that show the approximate extent of sediment within the backwater area.

## Schematic Design

The schematic design effort is described below and will be happening by different teams in parallel. The proposed timeline is GHD's effort to deliver a cost effective and efficient approach.

*Stream restoration design:* Throughout design development, and in concert with dam removal design, the plan, dimensions, and profile of the Kalamazoo River and Mill Race will be developed. The profile of the affected channels will be designed, based on bankfull hydrology, to create stable bankfull channel dimensions post dam removal. This will include the number, spacing, and dimensions of natural riffles as necessary to create a stable channel profile, develop habitat, and promote fish passage.

Using an iterative design approach, the computer modeling program, RiverMorph, will be used to rapidly evaluate multiple design alternatives until stable conditions are achieved based on sediment transport potential under bankfull discharge and fish passage hydraulics are optimized. Hydraulic modeling using HEC-RAS will be used to further evaluate and refine channel restoration design, optimize flow splits (to maintain adequate flow in all affected channels), and optimize fish passage hydraulics. In addition, changes in sediment transport potential resulting from dam removal will be evaluated in an attempt to design the project such that sediment transport is minimized following dam removal.

GHD will minimize changes to the design channel bed profile by maintaining as close to the existing channel profile as practicable. Adding new grade control structures as necessary based on the design to maintain a new stable channel grade. Furthermore, changes in channel dimensions and bankfull height ratios will be evaluated to assess potential streambank stability. Potential instability, especially along the Mill Race and near structures (e.g., bridges and boardwalks), will be addressed using grading, bioengineering, scour protection, and structural means as necessary, while still maintaining a natural look to the Mill Race.

*Fish passage design:* GHD will collaborate with MDNR Fisheries Division staff, NOAA, and the project technical team to develop a list of target fish species and life stages for the development of fish passage criteria. Once the list is developed, use existing available research and biological data on swimming capabilities of the target fish species and life stages.

Our team will use that available research and data to develop fish passage criteria such as water depths and flow velocity. The profile and dimensions of the affected river channels and Mill Race near the two diversion

structures and Mill Race dam will be specifically designed, in concert with dam removal and channel restoration design, to optimize fish passage hydraulics under as wide a range of flow conditions as possible. An iterative approach will be used first by applying RiverMorph to rapidly evaluate alternatives and then using HEC-RAS to model hydraulics. In particular, dam removal and channel restoration will be designed to create a water surface profile through those structures (with upstream and downstream transitions) to optimize fish passage hydraulics based on the target fish species passage criteria developed for design. Design will include structural components required to stabilize the bed, adjust channel dimensions, and create habitat as necessary but will rely primarily on natural channel design and bed forms such as riffles, vanes, etc. as opposed to hard armoring streambanks.

*Civil and structural design:* Cross sections will be developed across the impoundment and extend from the upper stream bank along both shorelines. GHD anticipates between 8 cross sections per reach. One section will be prepared across the dam and will serve as the phased breach detail. At least one cross section will be prepared downstream of the dam to show the proposed channel conditions after the dam is breached. Each cross section will show the shoreline grades, water surface, top of sediment and bottom of sediment. Using the impoundment bathymetry, a channel profile will be prepared along the thalweg using AutoCAD. The profile will show the water surface, top of sediment and depth of sediment. The profile will extend from the upper limits of the impoundment to a point approximately 200' downstream of the dam. The dam will be shown (thickness and height) and include any downstream scour pool. This information will also be used to plan access to the dam for breaching. The bathymetric survey and sediment depth probing data will be used to estimate impounded sediment volumes and develop sediment management plans.

GHD considers natural channel design principles on our dam removal and stream restoration projects and will consider these principles for the dam removal. The design will consider the creation of a bankfull channel using these dimensions. Using all the survey data collected, this design channel will be shown on all the cross sections. The bathymetric data will provide guidance on where the channel will form through the impounded sediment and this information will be added to the design plan sheets. Based on the information collected thus far, it appears that the dam breach and removal would be accomplished by accessing the dam from downstream.

A sediment management plan will be developed during the design task. Due to the very limited construction access upstream of the dam, one option for sediment

management is to complete a phased breach and as the sediment mobilizes, trap and remove sediment in the vicinity of the dam.

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## Design Development and Construction Documents

Following approval of the Schematic Design, GHD will prepare the Contract Drawings and Specifications required for bidding and construction of this project. The Design Development and Construction Documents Phases will include the development of the Contract Drawings and Technical Specifications. The design development phase will consist of the following tasks

- 1) Project Kick-off meeting to be held within 14 calendar days of the Contract Award.
- 2) Project Schedule will be submitted within 30 days of contract award.
- 3) Regular participation in project management team meetings with the City, MDNR, and other stakeholders to provide updates and solicit feedback on design progress (may be performed virtually – anticipate at least one 1-hour meeting per month for the duration of the project).
- 4) Perform a Section 106 review by subcontractor (HopkinsBurns) to assess if the dam removal adversely affects the historic Plainwell Mill, and provide recommendations on ways to avoid, minimize, or mitigate those impacts during the course of the project.
- 5) Prepare a QAPP and SSHP for any proposed engineering and design-related data collection activities.
- 6) Conduct a desktop review of existing data and collection of additional data from the site.
- 7) Perform hydrologic modeling and provide appropriate documentation of modeling results in a technical memorandum.
- 8) Prepare 30%, 60%, 90%, and final design sets, including technical specifications and a Basis of Design Report (alternative review timelines may be considered).
- 9) Host two public outreach events to present design components and solicit feedback from the community.
- 10) Prepare and coordinate necessary permit applications (State of Michigan, U.S. Army Corps of Engineers, Allegan County, etc.) and incorporate feedback from regulatory agencies into the design.
- 11) Prepare a bid packet and provide technical support for the solicitation of construction/implementation proposals.

GHD will prepare an opinion of probable project costs, including consulting cost and construction cost for the recommended modifications and repairs.

It is GHD's understanding that the City would procure a Consultant for the design that will include drawings to provide the finished river cross-section at the location of the impoundment and the upstream grade of the river necessary to obtain permits and complete the project. In addition, there will be multiple erosion and sediment control features necessary to maintain the water quality from sediment disturbance that may occur during construction processes. In general, the design concept is that the stone masonry and concrete structures will be removed; the river will be channelized within the old location to maintain the general grade that exists within the river; and the remainder of the backwater will be graded and need to be maintained as the floodplain.

The necessity of an Environmental Impact Statement is neither anticipated nor included in this scope. A NPDES General Permit for Stormwater Discharges from Construction Activity is anticipated based on the potential disturbance limits resulting in over one acre of disturbance. Stormwater Pollution Prevention Plan (SWPPP) will be prepared for the construction services.

Based our experience, this project will require environmental permitting at both the federal and state level including filing a Joint Application Form for the following permits:

- MDNR Fisheries for approval
- MDNR Dam Safety
- Army Corps of Engineers Section 404 Nationwide Permit for approval
- NPDES General Permit for Stormwater Discharges from Construction Activity
- Providing documentation for local permits, if necessary

GHD understands that the project will be subject to EGLE regulations and policies . A Draft and Final Environmental Impact Assessment (EIS) are not included in the current scope of work. To support the City with a Negative Declaration, GHD will support the following tasks as a technical advisor:

1. Pre-application meeting with City and the City's counsel to discuss your procedures and timeline for EGLE. Key milestones and dates will be discussed and GHD will prepare and distribute Meeting Highlights to attendees by email.
2. GHD will answer questions / support technical input for the City's to make an informed decision.



3. GHD will prepare typical Michigan Natural Heritage and Michigan Historic Preservation letters, including a one-page project description.

GHD will prepare a permit application on behalf of the City including design report, engineering plans, Stormwater Pollution Prevention Plan (SWPPP) and specifications for the MDNR's Bureau of Flood Protection and Dam Safety. The permit will outline how the dam will be modified so that the minimal level of flood protection to the downstream area is maintained. The ultimate goal of the permit application will be to provide a plan of action to the MDNR's Bureau of Flood Protection and Dam Safety for the recommended modifications. The permit application will identify the immediate maintenance items that may be addressed by this project and the remedial actions to be addressed by a contractor. Related documentation, as required in connection with the City's responsibility for filing documents, includes, but is not limited to, permits, signoffs and coordination with utilities required for the approval of governmental authorities having jurisdiction over the project. This will include the completion of the Michigan Department of Natural Resources NPDES General Permit for Stormwater Discharges from Construction Activity and preparation of all related documentation, as required. The SWPPP will be prepared with specific erosion and sediment control management for the site and anticipated construction activities. The construction activities may include bypass pumping or siphoning, and GHD has the experience to tailor the SWPPP to that type of activity.

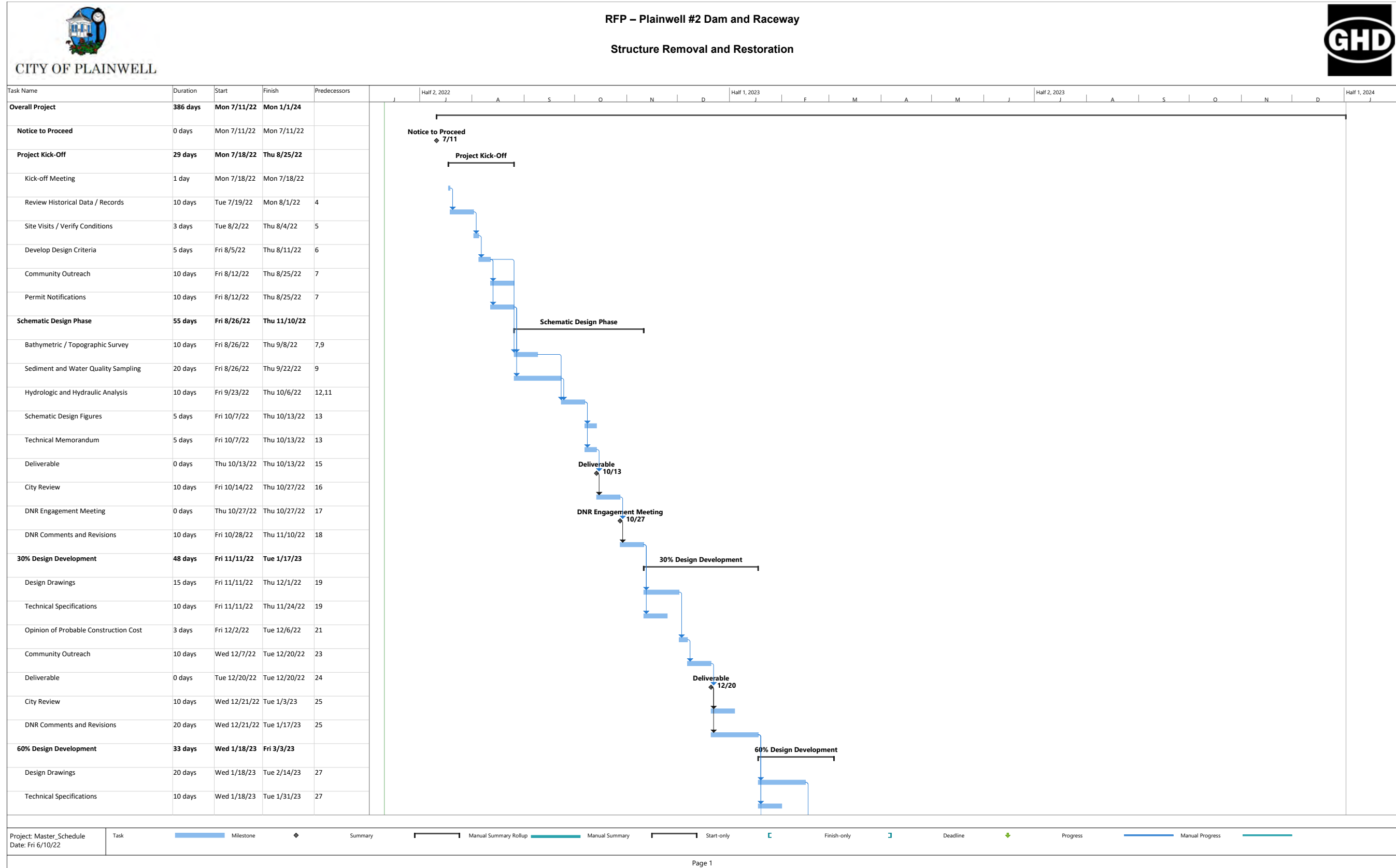
The scope of work includes preparing the forms and submittals for the before referenced permits and up to two personnel attending regulatory meetings with these agencies, including a public meeting, if necessary. Any further permits or additional tasks requested by regulatory agencies are not included in our scope of services and will be considered as additional services.

GHD will prepare and furnish Bidding Documents for review and approval by the City, its legal counsel, and other advisors, as appropriate, and assist the City in the preparation of other related documents. One set of bidding documents will be prepared for the project. GHD will assist the City in the preparation of the necessary bidding information, bidding forms, the Conditions of the Contract, and the form of Agreement between the City and the Contractor. No variation or modification will be made to the City's standard form of Agreement without prior written approval.

A proposed schedule and timeline for the project are presented on the following pages.

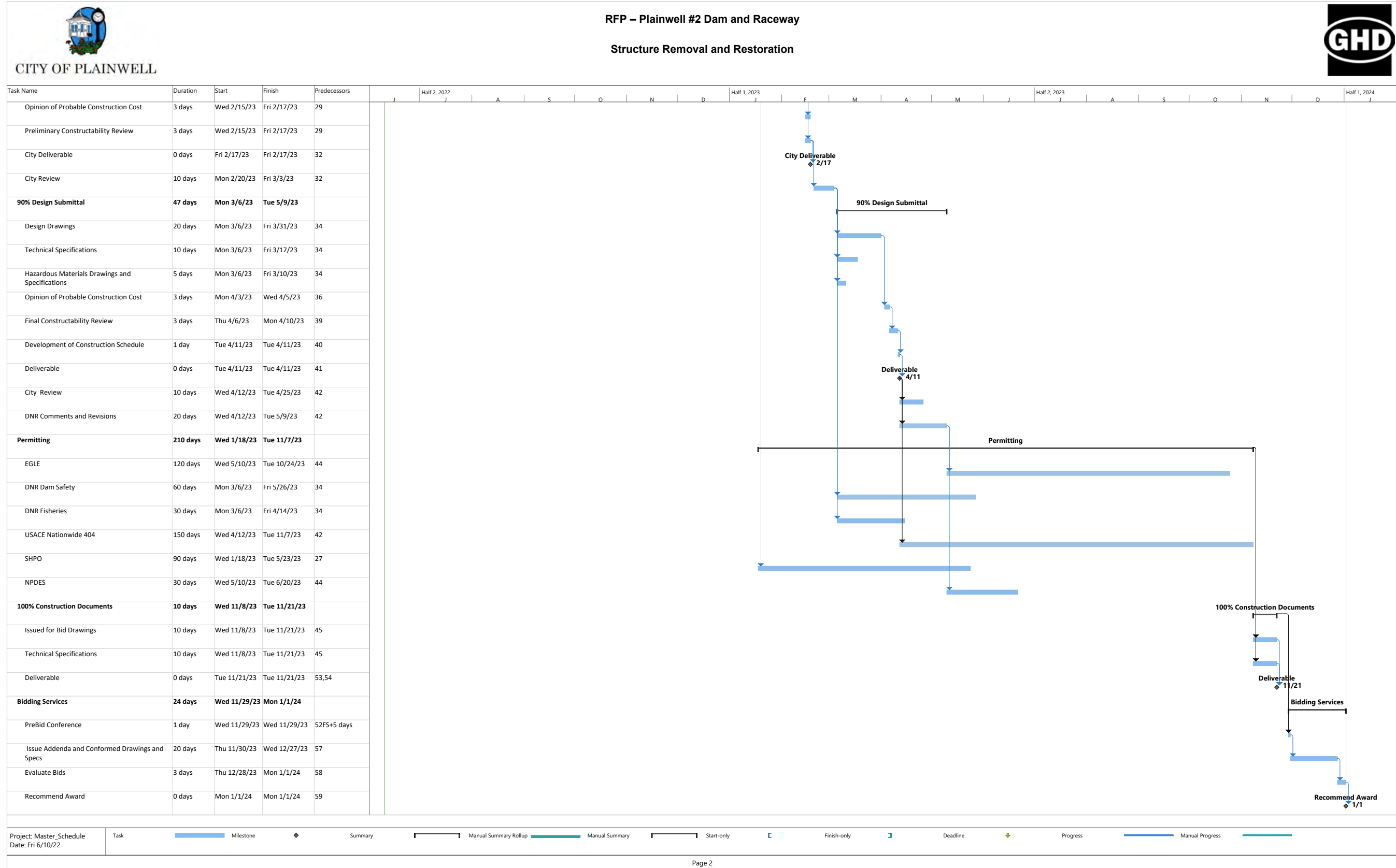


# → Proposed Project Schedule





# → Proposed Project Schedule



# 4. Cost Estimate

## → 4. Cost Estimate

GHD proposes to perform the outlined scope of work on a time and materials basis in accordance with the estimated project cost breakdown and fee schedule (below). Considering our relationship and long history with the City, GHD is offering a twenty percent (20%) discount from our standard rates. The City will be invoiced monthly for the work performed during that given month. If selected, GHD proposes to use terms and conditions for this project which are consistent with current and past agreements between the City and GHD.

### Estimated Task Budget and Total Cost Estimate

Task No.	Description	Estimated GHD Labor Rates	Estimated Subcontractor / Disbursement Costs	Estimated Project Total
1	Investigation / Schematic Design	\$104,439	\$121,500	\$225,939
2	30%/60%/90% Design Development	\$148,832	\$35,200	\$184,032
3	Permitting	\$0	\$27,500	\$27,500
4	100% Design Development	\$11,948	\$19,250	\$31,198
5	Bidding Services	\$7,331	\$2,000	\$9,331
<b>Estimated Project Total</b>		<b>\$272,550</b>	<b>\$205,450</b>	<b>\$478,000</b>

### Schedule of Rates

For services by GHD Services Inc.

Role	Hourly Rates
Project Director	\$250
Project Manager	\$192
QA/QC	\$250
Technical Lead	\$208
Risk Manager	\$229
Local Coordinator	\$172
Technical Director 1	\$192
Technical Director 2	\$172
CADD Designer	\$158
Construction Manager	\$194
Geologist	\$142
Project Engineer	\$142
Administrative	\$59

Notes:

1. Rates are for employees of GHD companies.
2. Support services are included in rates above, except for administrative position as shown.
3. All travel will be invoiced at economy class rates. Lodging and meal expenses will be at cost.
4. All other project related disbursements, expenses and subcontractor costs will be invoiced with a markup of 10%.
5. Leased and personnel vehicles, field equipment, and disposable field supplies will be invoiced at established rates. Personal vehicle mileage will be charged in accordance with government regulated standard rates.

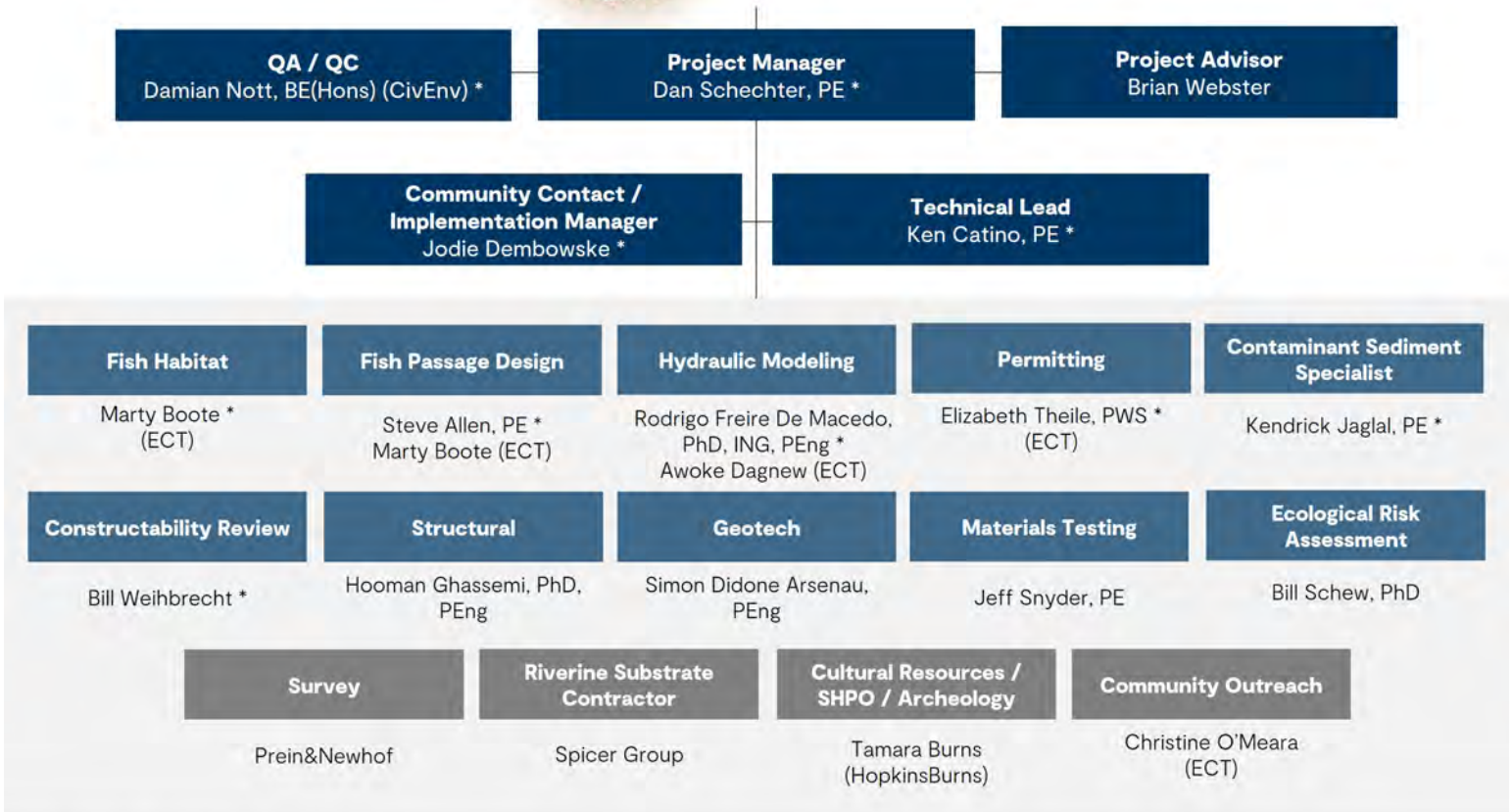
# 5. Staff Experience

## → 5. Staff Experience

The team outlined in the organization chart is committed to delivery of this project. Resumes for the key team members are presented hereinafter. Additional resumes for personnel beyond the key team members on the dam removal team can be provided as requested. Further, GHD has a long history of helping dam owners maintain regulatory compliance and this team is committed to working with the City in a collaborative environment to achieve project success. Two selected dam project descriptions completed by GHD and ECT are presented at the end of this section.

Key team members are indicated by an asterisk below in our organizational chart.

### Organizational Chart



\* Key team members

**Our team is your team.** Our people have a reputation for working collaboratively with our clients, taking pride in their work, and finding innovative and flexible ways to add operational value. Your targeted outcome will be delivered by people who invest passion and technical excellence to get the job done well and on time. We have assembled a core team of experts with specialized and general support resources to address the required steps, processes, and requirements of this project. We also have tremendous global resources available to assist local staff, as requested, to meet your needs. Our team is uniquely qualified to delivery this project for you.



**Daniel Schechter, PE - GHD**  
**Project Manager**

Daniel heads the Detroit, Michigan office. He is an environmental engineer with 27 years of experience in water and wastewater treatment, wet weather issues, and

environmental compliance. He has worked with public and private clients, and negotiated with government agencies at the local, state, and federal levels. Dan managed the combined sewer overflow (CSO), green infrastructure, and stormwater programs for the City of Detroit and assisted other communities with CSO and sanitary sewer overflow (SSO) control plans.

Dan has managed a wide variety of engineering projects, from modeling studies to design and construction of reservoirs, biosolids processing units, and pumping stations.



**Damian Nott, BE - GHD**  
**QA / QC**

Damian is a Dams Engineer with 22 years' experience in dams engineering design and construction. Damian has been involved in design and construction of several new dams, dam raisings and dam

safety upgrades and has experience in all aspects of dam safety management. Damian has significant international experience, including in Australia and Malaysia, where he had key roles in design and construction of two new roller compacted concrete gravity dams over 85m in height. Damian recently transferred from Australia to Canada and before his transfer was the Dams Service Line Leader in Australia for GHD. Damian has transferred from Australia to Vancouver to help develop GHD's dams and hydropower business in North America.



**Ken Catino, PE - GHD**  
**Technical Lead**

Ken has more than 17 years of dam safety and levee experience from inspections of small private impoundments to managing nationwide risk assessment programs. Ken has a comprehensive understanding

of current industry standards, practices, and drivers to provide effective engineering and consulting services throughout the project development process. He has a proven record of successful large-value management and execution for federal contracting agencies such as DHS/FEMA. Additionally, Ken is an active member of ASDSO and is familiar with many local and state design criteria, dam safety regulations, construction/material specifications, and building codes.

Ken has provided services throughout the entire life cycle of a dam including benefit-cost analysis, risk assessments, planning, stakeholder-involvement, design and construction phases, emergency action planning, operation and maintenance, and demolitions/de-commissioning. Ken has extensive experience performing subsurface and geotechnical investigations, safety inspections, structural and gate works assessments, hazard (re)classifications, stability analysis, along with design and construction oversight for state safety programs. Ken has in-depth knowledge and application of national industry standards such as NRCS, USBR, FERC, USACE, FEMA, ASDSO, ICODS, USCOLD.



**Jodie Dembowske - GHD**  
**Community Contact | Implementation Manager**

Jodie is a Project Manager with over 26 years of environmental experience. Her consulting proficiency includes soil and groundwater remedial investigations, surface water

sampling, residential well sampling and landfill gas monitoring. Jodie's construction related experience includes hazardous and non-hazardous excavation projects, in situ soil and groundwater treatment, dewatering with treatment, landfill closure, land farming, facility decommissioning assessments and demolition oversight.

Jodie's responsibilities include project scheduling, budget, labor, equipment and materials management.





**Marty Boote - ECT  
Fish Habitat**

Marty has 28 years of environmental consulting experience specializing in ecological restoration, stream restoration, aquatic habitat assessment, biological surveys, and ecological assessments and

environmental impact statements. He has contributed to the design of more than 30 stream restoration, ecological restoration, and habitat improvement projects, including projects with total costs exceeding \$2 million.

Marty has secured state and federal permits for ecological restoration, dam removal, power plant, mine, marina, and general industry projects. As an ecological restoration specialist, he prepares accurate and detailed design support documents and construction drawings and specifications. Marty also has expertise in construction observation and administration.



**Steve Allen, PE - GHD  
Fish Passage Design**

Steven Allen brings over 26 years of experience to our team, overseeing projects involving a mix of municipal, civil infrastructure, fish passage, and stream restoration, including,

hydrology, hydraulics, fluvial geomorphology, floodplain design, channel restoration, wetland mitigation, stream bank protection, bioengineering techniques, stormwater management and flood control, open channel water conveyance, grading plans, erosion and sediment control, preliminary to final designs, bid documents, construction services, and regulatory compliance in sensitive environments. Steve has led habitat restorations, stream corridor enhancements, and aquatic passage improvements for many regulatory agencies, counties, cities, and tribal entities.



**Rodrigo Freire de  
Macedo, PhD, ING, PEng  
- GHD**

**Hydraulic Modeling**

Rodrigo is a hydraulics engineer with over 20 years of professional experience dedicated to various

water resources projects including stormwater drainage/management, flood management, mine water management, coastal modeling and various environmental applications/projects. Rodrigo is experienced in the hydraulic design of various free-surface and pressurized flow hydraulic structures and has an expertise in numerical hydraulic modeling and computational fluid dynamics platforms such as Flow-3D as well as 1D and 2D hydrodynamics. Rodrigo is also experienced in hydrological studies and modeling, watershed and river sediment yield and transport and dam safety studies.



**Elizabeth Theile, PWS -  
ECT  
Permitting**

Elizabeth is one of ECT's lead permitting and regulatory experts. She has extensive experience as a project manager, focusing on natural resources consultation,

threatened and endangered species, and permitting in the Midwest. Her responsibilities include client management, management of deliverables and deadlines, coordination with regulators, leader of field investigations, and compliance assurance. She is experienced in wetland delineation and stream assessments, aerial interpretation, regulatory compliance, wetland mitigation/ monitoring, federal and state permitting, and threatened and endangered species surveys. She specializes in renewable resources, transmission projects, and industrial/commercial/residential development. She is a Professional Wetland Scientist, a Certified Wildlife Biologist, and a certified endangered resources reviewer.





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**Kendrick Jaglal, PE - GHD  
Contaminated Sediment  
Specialist**

Kendrick has more than 32 years' experience at several contaminated sediment sites working under the major US federal (e.g., CERCLA, RCRA, WRDA and CWA), states

and Canadian environmental programs. Performed tasks include agency negotiations, strategic planning, remedial investigations, treatability studies, feasibility studies, remedial design, permitting, peer review, value engineering, natural resource damage (NRD) and litigation support, public relations and project management. Chemicals addressed include PCBs, PAHs, SVOCs, VOCs, metals, glycols and oil with a recent focus on PFAS.



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**Bill Weihbrecht - GHD  
Constructability Review**

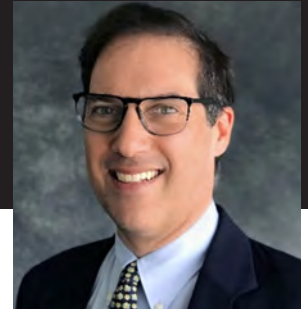
Bill has extensive experience in dam removals including feasibility analyses, sediment assessment, staged dam breach sequencing, stream restoration design and construction oversight. He has completed

the design and/or construction management of 48 dam removal and fish passage projects throughout the Mid-Atlantic, New England and Upper Midwest regions. He has experience in coordinating with state and federal government agencies related to design and permitting issues. His regulatory and construction experience compliments the permitting and design tasks. This hands-on experience results in practical, cost effective designs while minimizing environmental impacts. The majority of his experience includes using a natural channel design approach to restore natural stream functions and quality habitat. Bill is experienced at making field adjustments during construction to minimize impacts, reduce construction costs and enhance habitat.



# Daniel Schechter, PE

## Project Manager



### Location

Detroit, MI

### Experience

27 years

### Qualifications/Accreditations

- MS, Water Resources Engineering 1993
- BS, Civil Engineering 1989
- Registered Professional Engineer MI, VA

### Key technical skills

- Construction Stormwater Operator: MI
- Soil Erosion Plan Review and Design Certification: MI

### Relevance to the project:

Daniel heads the Detroit, Michigan office. He is an environmental engineer with 27 years of experience in water and wastewater treatment, wet weather issues, and environmental compliance. He has worked with public and private clients, and negotiated with government agencies at the local, state, and federal levels. Dan managed the combined sewer overflow (CSO), green infrastructure, and stormwater programs for the City of Detroit and assisted other communities with CSO and sanitary sewer overflow (SSO) control plans. He has managed a wide variety of engineering projects, from modeling studies to design and construction of reservoirs, biosolids processing units, and pumping stations.

### Project experience

#### ***Southwest WTP Raw Water Screen and Chlorine Scrubber Replacement***

**Role:** Project Manager  
**Client:** Great Lakes Water Authority  
**Location:** Allen Park, MI

As part of a Design-Build Team, GHD is helping to replace the original raw water screens and chlorine scrubbers at a 240 MGD water treatment plant located in southeast Michigan built in 1964. The plant draws raw water from the Detroit River. The team, which includes Kokosing and Jones & Henry Engineers is maintaining flow at the plant while completing the improvements. GHD's efforts include state and local permitting, HVAC, fire sprinkler systems, instrumentation and controls, and local coordination.

#### ***Capital Projects***

**Role:** Superintendent of Engineering  
**Client:** Detroit Water and Sewerage Department  
**Location:** Detroit, MI

Managed team of engineers, chemists, process specialists, construction managers and inspectors to plan, design, and

construct facilities for a wastewater system serving nearly four million people in southeast Michigan. Developed processes for in-house design and procurement of small dollar capital projects under \$1 million each and outside design for large capital projects. Capital spending totals over \$100 million/year for the 11 wastewater pumping stations, nine combined sewer overflow (CSO) treatment facilities, and one of the largest wastewater facilities in the country. Managed the wet weather programs for DWSD, including CSO, green infrastructure, and stormwater. Negotiate with Michigan Department of Environmental Quality (MDEQ) and U.S. Environmental Protection Agency (EPA) on permits, compliance, CSO long-term control plan, and expanding green infrastructure in the city of Detroit. Through a combination of capital replacement, an intense focus on compliance, and changes in wet weather operations, the Detroit wastewater treatment plant returned to compliance with the Clean Water Act in 2012 and ended 36 years of federal court oversight.

#### ***Drainage Charge Assessment***

**Role:** Project Manager  
**Client:** Kean's Marina  
**Location:** Detroit, MI

Provided engineering support to demonstrate that stormwater for this riverside marina is handled independently of the city

## Daniel Schechter, PE | Project Manager

combined sewer system. Prepared appeal forms, negotiated with the city, and was able to eliminate all City of Detroit drainage charges to Kean's Marina, saving client approximately \$75,000 annually.

### ***Stormwater Design and Drainage Charge Reduction***

**Role:** Project Manager

**Client:** Steelpro

**Location:** Detroit, MI

Analyzed green infrastructure and other stormwater methods to reduce drainage charges for this industrial property abutting the Rouge River. Designed and permitted a direct discharge at this property, which will reduce drainage charges by over \$100,000 annually. Prepared design drawings, state and county permits and construction oversight.

### ***GLWA DB-303 Design-Build Contract***

**Role:** Project Coordinator

**Client:** Great Lakes Water Authority

**Location:** Southeast MI

Designed and installed new unleaded and diesel fuel tanks and dispensers at the five drinking water plants and the wastewater plant for the Great Lakes Water Authority (GLWA) in Southeast Michigan under a design build contract. This \$4M project brought the GLWA into compliance with the new Oct 2018 Underground Storage Tank (UST) rules. GHD remediated contamination found at the sites and obtained regulatory closure for the UST tanks.

### ***Rehabilitation of Ash Handling Systems @ GLWA WRRF***

**Role:** Project Engineer

**Client:** GLWA WRRF | Great Lakes Water Authority

**Location:** Detroit, MI

Completed an engineering study for potential alternatives for the rehabilitation of the wet and dry ash handling system for the existing sewage sludge incinerators at the Water Resource Recovery Facility. GHD is also evaluating options and costs for the demolition and/or reuse of the Complex 1 Incineration building which houses 60+ year old incinerators that are no longer in use.

### ***Technical and Analytical Support for Wholesale Water Customers***

**Role:** Project Engineer

**Client:** Detroit Water and Sewerage Department

**Location:** Detroit, MI

Provided technical support to the Detroit Water and Sewerage Department (DWSD) as part of successful 3-year process to sign 30-year water contracts with flow and pressure commitments with the 71 wholesale water customers in suburban Detroit. Provided flow and pressure analyses, engineering drawings and assistance in negotiations as a

member of the DWSD negotiation team. Analyzed water networks, metering methods, and addressed issues with customer-owned water reservoirs. Provided technical support for the Customer Outreach Analytical Workgroup for a two-year period.

### ***WWTP and Lift Station Asset Management Program***

**Role:** Project Manager

**Client:** City of Ann Arbor

**Location:** Ann Arbor, MI

Improving Existing WWTP Asset Management Program to meet MI EGLE Requirements. GHD is adding specific expertise in Condition Assessment, determining Level of Service, and Criticality of Assets to help inform future capital planning. Also reviewing existing Cityworks computerized maintenance management system (CMMS) database and recommending improvements to the structure and functionality. Work is being done for the City of Ann Arbor as a subconsultant to HRC.

### ***Asset Management Decision Support***

**Role:** Project Manager

**Client:** Oakland County Water Resources

**Location:** Commissioner's Office, Oakland County

Developing data dashboards and analytical tools to help provide internal and external users with information on wastewater and stormwater assets, both linear and vertical. Using web-based tools, GHD is utilizing existing databases and CMMS systems to consolidate information, identify data gaps, and highlight priorities for the major wastewater and stormwater funds in the Oakland County Water Resources Commissioner's Office (WRC). Work is being done for the Oakland County WRC as a subconsultant to HRC.

### ***Distribution System Materials Inventory***

**Role:** Project Engineer

**Client:** Charter Township

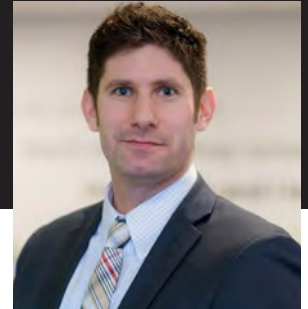
**Location:** Plymouth, MI

Identifying drinking water distribution system materials using as-built drawings, GIS information, and knowledge of local building and plumbing practices. The inventory is required by the new Michigan Lead and Copper Rules and requires water providers to identify potential lead and galvanized service lines by 2020, along with developing a strategy to remove these materials beginning in 2025.



# Ken Catino, PE

## Technical Lead



### Location

White Plains, NY

### Experience

17 years

### Qualifications/Accreditations

- BS, Civil Engineering 2005
- Registered Professional Engineer NY, CT, NJ, PA, OH, VT, NH

### Key technical skills

- Certified Project Manager
- Structural Design Certificate

### Memberships

- New York State Society of Professional Engineers
- American Society of Dam Safety Officials

### Relevance to the project:

Ken has an extensive resume of dam safety and levee experience from inspections of small private impoundments to managing nationwide risk assessment programs. Ken has a comprehensive understanding of current industry standards, practices, and drivers to provide effective engineering and consulting services throughout the project development process. He has a proven record of successful large-value management and execution for federal contracting agencies such as DHS/FEMA. Additionally, Ken is an active member of ASDSO and is familiar with many local and state design criteria, dam safety regulations, construction/material specifications, and building codes.

Ken has provided services throughout the entire life cycle of a dam including benefit-cost analysis, risk assessments, planning, stakeholder-involvement, design and construction phases, emergency action planning, operation and maintenance, and demolitions/de-commissioning. Ken has extensive experience performing subsurface and geotechnical investigations, safety inspections, structural and gate works assessments, hazard (re)classifications, stability analysis, along with design and construction oversight for state safety programs. Ken has in-depth knowledge and application of national industry standards such as NRCS, USBR, FERC, USACE, FEMA, ASDSO, and ICODS.

### Project experience

#### **Main Mill Dam Decommission**

**Role:** Dam Safety Engineer |  
**Client:** New York State Department of Environmental Conservation  
**Location:** Plattsburgh, NY

Ken was responsible for construction documents for a decommissioning and spillway lowering of a 220-foot-wide broad crested weir stone buttress dam located along the tributary of Lake Champlain. Acting as a consultant to DEC Region 5, Ken also procured, managed, and facilitated an extensive backwater sediment sampling and geotechnical investigation program to support the development of a fishway improvement. The dam currently impounds waters of the

Saranac River and the proposed fish bypass will improve the spawning habitats of the target species (landlocked salmon). As part of the project's scope a bathymetric survey and sediment transport analysis was performed to evaluate feasible remediation techniques.

#### **Dam Safety and Engineering Services**

**Role:** Dam Safety Engineer |  
**Client:** City of Newport  
**Location:** Newport, RI

Ken led an inspection team of engineers to evaluate six (6) high hazard reservoirs dams owned and operated by the City of Newport Department of Water Utilities. Ken was responsible for a periodic engineering inspection compliant with the Rhode Island Department of Environmental Management RIDEM regulations. The work also included development of the City's

## Ken Catino, PE | Technical Lead

Inspection, Operation, and Maintenance (IO&M) Plans. Ken led desktop exercises for the City's laborers to facilitate compliant inspections and maintenance issues for repetitive violations.

### **Leakage Assessment and Geotechnical Investigation**

**Role:** Engineer of Record  
**Client:** Army Corps of Engineers (USACE)  
**Location:** Westpoint, NY

Ken was responsible for extensive geotechnical and geophysical investigation for United State Military Academy impoundment named Delafield Pond Dam. Acting as a consultant to USACE – New York District, Ken also procured, managed, and facilitated a piezometric and thermal monitoring program to understand leakage pathways and their associated risks. The geotechnical analysis and probable failure mode analysis was performed to evaluate feasible remediation techniques or interim risk reduction measures. Rough Order of Magnitude Cost Estimates were developed for master planning and land re-use considerations.

### **Emergency Action Plan Dam Safety Support Services**

**Role:** Dam Safety Engineer  
**Client:** City of Dallas  
**Location:** Dallas, TX

Ken worked with a team of engineers to evaluate twenty-four (24) City of Dallas owned dams and reservoirs located throughout the greater Dallas watersheds. Ken was responsible for a periodic engineering inspection compliant with the Texas Commission on Environmental Quality TCEQ regulations. The dam portfolio consisted of eleven (11) high hazard facilities and included major revisions to the City's Operation and Maintenance (O&M) Plans. Dallas Water Utilities (DWU) was the leading department aiming to bring the facilities into compliance with TAC §299.1 Dams and Reservoirs.

### **Nationwide Dam Risk Screenings**

**Role:** Dam Safety Engineer  
**Client:** USDA Natural Resources Conservation Service (NRCS)  
**Location:** Various Locations | MA

Ken managed a small task force of subject matter experts to evaluate nine (9) USDA – NRCS high hazard earthen embankment impoundments located throughout western Massachusetts. Ken was responsible for a risk assessment and Phase I/II studies compliant with the NRCS risk index methodology. The task order was part of a nationwide contract to prioritize funding of the federal portfolio and deficient dams owned and tended to by local sponsorship. MA DCR was a critical stakeholder and the ultimate regulatory of the facilities and all remedial measure were in accordance with 302 CMR §10 Dam Safety of the Department of Conservation and Recreation regulations.

### **Potential Failure Mode Analysis (PFMA)**

**Role:** Dam Safety Engineer  
**Client:** US National Park Service  
**Location:** VT, NH, CT

Ken was part of a team of specialists that developed risk screening reports and performed potential failure mode analysis (PFMA) workshops for three (3) high hazard National Park Service impoundments. The dams varied from concrete buttress, concrete gravity, and embankment type dams located throughout the northeast US. Ken was the engineer of record for the risk assessment studies and PFMA deliverable per the NPS / USBR guidance criteria. The regional work order was part of a nationwide program to evaluate deficient facilities owned/operated by NPS.

### **Dam Safety On-Call Services**

**Role:** Engineer of Record  
**Client:** New York State Department of Environmental Conservation  
**Location:** Various Locations, NY

Ken was responsible for inspections of over 100 impoundments in DEC Region 5 (North County) including the bi-annual "Class C - high hazard" inspections of sixteen (16) NYSDEC owned facilities, in order to bring the dam into compliance with the new New York's Dam Safety Regulations 6 NYCRR Part 673.

### **Value Engineering Lake Whitney Dam**

**Role:** Value Engineering Facilitator  
**Client:** South Central Regional Water Authority  
**Location:** Hamden, CT

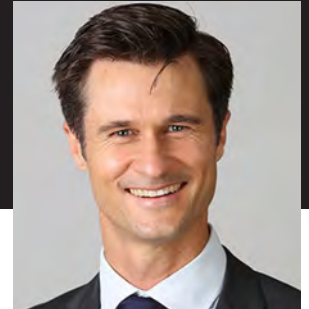
Ken managed a value engineering assignment in accordance with the regulations set forth section 22a-482-3 of the Connecticut Administrative Code requires projects receiving state revolving funds and having capital costs more than \$10 million shall include a value engineering (VE) analysis and implementation. The subject project is Lake Whitney Dam which is receiving a major capital investment (\$35M) to address concerns related to the age, condition, and the unknown original construction methods. The Dam, which was initially built in 1860 and has received a series of structural improvements over the last 30 years is a key component of the RWA's water supply infrastructure. The RWA's current capital improvement plan includes the design, bid, and construction of major improvements at the Lake Whitney Dam and spillway over the next several years. The completion of these improvements will increase dam stability, enhance the safety of life and property downstream of the dam, and decrease the risk of a potential breach during high flow situations.





# Damian Nott, BE (HONS) (CIVNEV)

QA / QC



## Location

Vancouver, BC

## Experience

22 years

## Qualifications/Accreditations

- Bachelor of Engineering, Civil
- Post Graduate Course in Geotechnical Engineering of Dams

1999  
UNSW 2003

## Key technical skills

- Dams Engineering
- Design Management

## Memberships

- Fellow Institute of Engineers, Australia

## Relevance to the project:

Damian is a Dams Engineer with 22-years' experience in dams engineering design and construction. Damian has been involved in design and construction of several new dams, dam raisings and dam safety upgrades and has experience in all aspects of dam safety management. Damian has significant international experience, including in Australia and Malaysia, where he had key roles in design and construction of two new roller compacted concrete gravity dams over 85 m in height. Damian is currently the Design Manger on the Wyangala Dam Raising project, in NSW, Australia. After raising the dam, it will be a 100m high earth and rockfill dam, the fourth largest dam by volume in the state.

Damian recently transferred from Australia to Canada and before his transfer was the Dams Service Line Leader in Australia for GHD. Damian has transferred from Australia to Vancouver to help develop GHD's dams and hydropower business in North America.

## Project experience

### *Wyangala Dam Raising*

**Role:** Design Manager

**Client:** WaterNSW

**Location:** Lachlan Valley, NSW, Australia

Wyangala Dam was originally constructed as a concrete arch dam in the 1930's. The dam was raised in the 1960's by constructing a central core earth and rockfill dam downstream, which used the arch dam to support the toe of the embankment on the upstream side. The current project involves a downstream raise of the full supply level by approximately 10 m, with the final height to be optimised through the design process. The current scope is to provide a concept design for the dam raising for input to a business case, although subsequent phases of the project including more detailed design are expected to follow. Raising this active storage presents several challenges including the interaction with the original dam, staging of the works to allow safe passage of floods during construction and balancing water security and flood mitigation objectives alongside environmental outcomes.

### *Warragamba Dam Raising*

**Role:** Concrete Lead and Dams Engineering

**Client:** WaterNSW

**Location:** Sydney, NSW, Australia

Detailed concept design of the raising of the 145 m high Warragamba Dam which constitutes approximately 80% of Sydney's water supply. The project required the optimisation of the raising of the dam by up to 17 m to provide flood mitigation to the downstream communities, for the purpose of informing the business case. The project included site investigations of the foundation and the existing concrete gravity dam, detailed assessment of potential concrete mixes, analysis and design of the concrete buttress raise (including 3D FEA), optimisation of the dual spillway arrangement and the operational flood mitigation zone, including CFD modelling and physical model and preliminary planning of the construction sequencing. The project was undertaken in a design joint venture.

### ***Kinta Dam RCC***

**Role:** RCC Resident Engineer  
**Client:** Metropolitan Utilities Corp  
**Location:** Malaysia

Kinta Dam RCC Resident Engineer. The dam, designed by GHD, is a 90 m high RCC gravity dam, it is 980 m long and involves 900,000 m<sup>3</sup> of RCC. It is Malaysia's first RCC dam and it now serves as the water supply to Ipoh. Damian was on site during construction in 2005.

### ***Enlarged Cotter Dam***

**Role:** Designer (including Lead Design Engineer on Site During Construction)  
**Client:** ACETW  
**Location:** Canberra, ACT, Australia

Enlarged Cotter Dam is a new 87 m high RCC dam used to augment Canberra's water supply. It was constructed immediately downstream of an existing dam. The new dam provides an increase in the storage capacity from 4GL to 78GL. It is Australia's highest RCC dam and approximately 390,000 m<sup>3</sup> of RCC was used in its construction. In addition to the main dam, two saddle dams were constructed which are approximately 20 m high central earth core rockfill embankments. The project was delivered under an alliance contract and the scope involved all aspects from concept design through to completion of construction. This included geotechnical investigations, detailed options studies, all elements of the detailed design as well as construction supervision and design support services during the construction phase.

### ***Warragamba Dam – Comprehensive Risk Assessment***

**Role:** Project Director  
**Client:** WaterNSW  
**Location:** Sydney, NSW, Australia

GHD undertook a comprehensive risk assessment of Warragamba Dam one of Australia's largest concrete gravity dams and a major urban water supply for Sydney.

The CRA was a comprehensive piece of work which involved significant review and analysis of available information, including investigations and analysis undertaken for the Warragamba Dam Raising project. A systematic type of sensitivity analysis using the Monte Carlo approach was developed to provide a quantitative means of estimating the conditional probability of sliding failure of the dam. Further, the dam is situated in a highly incised gorge, the geometry of which may lead to 3D behaviour, or load sharing (particularly between the central monoliths) of this straight gravity dam. This and other technical challenges were addressed in the risk assessment. Technical papers on the assessment methodology are being prepared to share at industry conferences.

### ***Waimea Dam***

**Role:** Diversion Design Lead  
**Client:** Fulton Hogan  
**Location:** Nelson, New Zealand

Waimea Dam is a new 53 m high Concrete Faced Rockfill Dam (CFRD) constructed in New Zealand in 2020/21. GHD produced the design of the diversion including a twin culvert diversion (each 2.5 m x 4 m) and the reinforced rockfill on the downstream side of the of the dam. The design was tested multiple times during construction, including significant embankment overtopping during flooding and the design performed well.

### ***Vaturu Dam – Feasibility Study for Raising***

**Role:** Designer and GHD Project Manager  
**Client:** Water Authority of Fiji  
**Location:** Fiji

Feasibility study to raise the full supply level of the existing 55 m high central clay core, earth and rockfill dam. The engineering feasibility of raising the dam was evaluated including yield assessment and stability analysis. Key risks and issues to be resolved were identified to assist with planning of the subsequent phases of design.

### ***Bowraville Off River Storage Dam***

**Role:** Design Lead During Construction  
**Client:** Nambucca Shire Council  
**Location:** Bowraville, NSW, Australia

Detailed design of the new 26 m high zoned earthfill off-river storage reservoir including technical guidance and support during construction. The dam provides improved water security to the local area. The dam is founded on phyllite which was weathered and contained areas of high permeability to significant depth. An innovative non-positive cut-off solution was adopted in the design, following significant investigation modelling analysis, which satisfied both technical and cost drivers in a challenging environment.

### ***Lachlan Valley Water Security Project (Wyangala Dam Raising Business Case)***

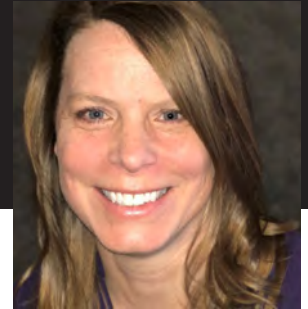
**Role:** Dam Design Lead  
**Client:** WaterNSW  
**Location:** Lachlan Valley, NSW, Australia |

As a strategic partner with WaterNSW, GHD prepared the Preliminary Business Case for Treasury for the Lachlan Valley Water Security project with a positive outcome at this gateway. The Scheme's considered included raising of Wyangala Dam, construction of a new dam up to 100 m high, networking of existing dams and other schemes targeting improved system efficiencies. Shortlisting and evaluation of options from a broad range of possibilities, with a range of environmental, technical and other constraints required a nimble and responsive design team to deliver the required outcome within the tight project timeframe.



# Jodie Dembowski

## Community Contact / Implementation Manager



### Location

Plainwell, MI

### Experience

26 years

### Qualifications/Accreditations

- MS, Hydrogeology 1994
- BS, Geology 1991

### Key technical skills

- Storm Water Management Operator – Construction Sites (A 1j): Michigan
- OSHA 40 Hour Hazardous Waste Worker, Refresher
- OSHA 8 Hour Hazardous Waste Supervisor
- RCRA DOT Training
- Emergency First Aid and CPR

### Relevance to the project:

Jodie is a Project Manager with over 26 years of environmental experience. Her consulting proficiency includes soil and groundwater remedial investigations, surface water sampling, residential well sampling and landfill gas monitoring. Jodie's construction related experience includes hazardous and non-hazardous excavation projects, in situ soil and groundwater treatment, dewatering with treatment, landfill closure, land farming, facility decommissioning assessments and demolition oversight. Her responsibilities include project scheduling, budget, labor, equipment and materials management.

### Project experience

#### **Former Plainwell, Inc. Mill Property Superfund Site**

**Role:** Construction Project Manager/Project Coordinator

**Client:** Paper Product Manufacturer

**Location:** Plainwell, MI

The Former Plainwell, Inc. Superfund Site remedial action includes multiple excavations across the 35 acre site, including inside the historical structure, to remove soil impacted with heavy metals and PCBs. The Site is divided into eleven different assessment areas based on planned land use. Clean-up objectives vary based on planned land use. Additional considerations associated with the remedial action include the relationship of the Site to a second adjacent Superfund Site. As the Construction Project Manager, Jodie is responsible for the overall project schedule and coordination of the remediation activities. Jodie acted as the liaison between the property owner and the PRP. As the Project Coordinator, ahead of the remedial action, Jodie was responsible for report preparation, data review and evaluation, preparation of project specifications and cost estimate preparations. Jodie's historical knowledge of the Site

and relationships with stakeholders provides significant benefits to the project.

#### **Former Rockwell International Corporation Site**

**Role:** Construction Project Manager

**Client:** Automotive

**Location:** Allegan, MI

Remediation efforts at the Former Rockwell International Corporation Superfund Site included building decommissioning and demolition, dewatering, pond sediment stabilization, excavation of PCB and heavy metal impacted soils, and LNAPL remediation. An onsite temporary water treatment system was set up to handle the surface water and groundwater from the excavations. The water was treated via an oil water separator, bag filters and dual carbon vessels prior to batch sampling to obtain approval for direct discharge to the City sanitary system. Onsite water treatment saved the waste transportation fees. As the Construction Project Manager, Jodie was responsible for the overall project schedule and coordination of the remediation activities. Jodie currently manages the operations, maintenance and monitoring activities associated with the Site.

***12th Street Landfill Superfund Site***

**Role:** Construction Project Manager  
**Client:** Paper Product Manufacturer  
**Location:** Otsego Township, MI

The 12th Street Landfill project involved the closure of a historical landfill containing PCB impacted paper residuals. Jodie managed the project from the initial stages (pre remedial action) to final restoration. Management included scheduling all aspects of the project, material sourcing, subcontractor procurement, securing a discharge agreement for treated groundwater, cost tracking and weekly meetings with the project team including the client, USEPA and the EGLE. Site access limited due to steep slopes, a road (12th Street), wetlands and a major river on three of the four sides of the project area. The project involved significant off site excavation efforts including temporarily relocating a business, including its office structures and utilities. Onsite consolidation efforts included excavation in a wetland, which required significant dewatering. An onsite groundwater treatment system was set up to treat the water prior to discharge to the City sanitary. Jodie currently manages the operations, maintenance and monitoring activities related to the Site.

***Land Farming***

**Role:** Construction Project Manager  
**Client:** Non-Profit Group  
**Location:** Lewistown, IL

Excavation was required adjacent to/into a levee along the Illinois River as part of LNAPL remediation at a nature preserve. Project involved removing impacted soils, collection of LNAPL, onsite groundwater treatment and landfarming impacted soils to achieve clean-up goals set by the IEPA.

***Former Plainwell, Inc. Superfund Site***

**Role:** Project Manager  
**Client:** Local Unit of Government  
**Location:** Plainwell, MI

Project Manager for two phases of building decommissioning assessment investigation followed up by the decommissioning and select demolition of portions of a former paper mill complex located on a Superfund site. The projects were funded by various grants obtained by the City. The former mill consists of numerous interconnected additions some of which are included on the federal historic building register and were to remain after the select demolition. Building materials and waste on site included TSCA regulated PCB materials, universal waste, asbestos and historical chemicals utilized at the Mill. The project required coordination with the PRP as well as the USEPA and EGLE regarding soil and groundwater concerns at the site. Utilization of the grant funds were strictly governed by each specific grant which required significant coordination and communication with all involved.

***Former Carbide Metal Processing Plant***

**Role:** Project Manager  
**Client:** Fortune 500 Company  
**Location:** Kalamazoo, MI

Project Manager for the decommissioning, remediation and demolition of a former carbide metal processing plant. Project involved removal of universal waste; asbestos abatement; delineation of TSCA and non-TSCA PCB impacted concrete throughout the building; industrial cleaning of pits and trenches; removal of Methyl Ethyl Ketone contaminated floor coating (requiring negative air containment); and demolition of the building to the slab. The project had a tight schedule of less than 5 weeks to complete all aspects of the project.

***Former Rockwell International Corporation Site***

**Role:** Project Manager  
**Client:** Automotive Manufacturer  
**Location:** Allegan, MI

As the Project Manager, Jodie is responsible for scheduling and completion of monitoring activities including biannual groundwater monitoring, general operations and maintenance, institutional controls and redevelopment inspections, as well as reports submitted to the USEPA as well as the EGLE. She has completed historical data review to support requests to reduce monitoring requirements. Jodie maintains good communication with the property owners to maintain site access, monitor redevelopment plans and property use within the restrictions required for the Site as set forth in the Record of Decision.

***12th Street Landfill Superfund Site***

**Role:** Project Manager  
**Client:** Paper Product Manufacturer  
**Location:** Otsego Township, MI

Operations and maintenance includes annual groundwater sampling as well as quarterly monitoring of the landfill gas quality. Quarterly inspections of the landfill cover, perimeter fence and adjacent areas are conducted. Ms. Dembowski prepares an annual report that is submitted to the USEPA as well as EGLE.

***Cork Street Landfill Superfund Site***

**Role:** Project Coordinator  
**Client:** PRP Group  
**Location:** Kalamazoo, MI

Operations and maintenance includes biannual groundwater sampling, surface water sampling as well as quarterly monitoring of landfill gas. Quarterly inspections of the landfill cover and adjacent areas are conducted. Maintenance activities are conducted on an as needed basis. Reporting to the USEPA, as well as EGLE.



# > Martin J. Boote

## Senior Scientist I

Mr. Boote has 28 years of environmental consulting experience specializing in ecological restoration, stream restoration, aquatic habitat assessment, biological surveys, and ecological assessments and environmental impact statements. He has contributed to the design of more than 30 stream restoration, ecological restoration, and habitat improvement projects, including projects with total costs exceeding \$2 million. Mr. Boote has secured state and federal permits for ecological restoration, dam removal, power plant, mine, marina, and general industry projects. As an ecological restoration specialist, he prepares accurate and detailed design support documents and construction drawings and specifications. Mr. Boote also has expertise in construction observation and administration.

### EXPERIENCE

#### **Bloomfield Swamp Wetland Restoration | Western Reserve Land Conservancy | Orwell, OH**

Managing and leading the design of a wetland restoration project near Orwell, Ohio, in Ashtabula and Trumbull counties. The project goal is restoration of 270 acres of hydrologically-altered wetlands in the headwaters of the Grand River. Project involves surveying, hydrological modeling using U.S. Environmental Protection Agency (EPA) Stormwater Management Model, wetland mapping and assessments, threatened and endangered (T/E) species evaluations, design and construction documents, and permitting.

#### **Bloomfield Swamp Conceptual Restoration Plan | Western Reserve Land Conservancy | Ohio**

Prepared a conceptual restoration plan for the former Bloomfield Swamp – a prior converted and drained swamp in the headwaters of Rock Creek, a major tributary of the Grand River in northeastern Ohio, based on existing watershed management plans, topographic data, hydrological mapping, and other environmental data. Provided potential methods and steps to implement the desired restoration goals, which could help restore of more than 200 acres of wetland and preserve more than 300 acres of land. Western Reserve Land Conservancy is using the restoration to raise funding through donations and grants.

#### **Johnson Creek Intercounty Drain Restoration | Johnson Creek Intercounty Drain Board | Washtenaw & Wayne County, MI**

Providing design and engineering services to design in-stream and riparian habitat restoration within Johnson Creek along the 3.1-mile designated Intercounty Drain. As Project Manager, directing and coordinating survey, data collection, design, hydraulic modeling, permitting, stakeholder engagement, and outreach and engagement activities. Managing multiple subcontracts to acquire the necessary services to complete the project. Design is focused on improving morphology and ecosystem functions while maintaining the required drain function.

#### **Fish Hatchery Park Stream Restoration | Alliance of Rouge Communities | Wayne County, MI**

Designed the restoration of Johnson Creek through a public park. Fish Hatchery Park was the site of a former state fish hatchery. Johnson Creek was relocated and straightened by state in the early 1900s to construct the hatchery. The project was designed to remove the concrete walls along the north bank of Johnson Creek, create flood shelves behind the former concrete walls, and establish a native riparian vegetation buffer on the new benches and side slopes.



### EDUCATION

B.S., Biology/Fisheries  
Central Michigan University, 1992

A.S., Architectural Drafting and Design  
Washtenaw Community College

### AREAS OF EXPERTISE

- Stream & Wetland Restoration
- Streambank Stabilization
- Aquatic Habitat Enhancements
- Aquatic Habitat Assessment
- Watershed Management
- Permitting, Environmental Assessments & Impact Statements
- Aquatic Biology
- Fish Ecology
- Fisheries Management
- Macroinvertebrate Surveys, Fish Surveys
- Mussel Surveys

# > Martin J. Boote

## Senior Scientist I

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### **Nankin Lake Habitat Restoration | Wayne County Parks and Recreation**

#### **Wayne County, Michigan**

Designed sediment dredging plan and improvements to fish habitat in an impoundment of the Rouge River. Nankin Lake had filled in with sediment over the preceding decades of its life, which reduced fish and wildlife habitat. The dredging plan was designed to specifically target fish habitat, including near-shore spawning, nursery, and winter refuge habitats. Aquatic vegetation, large woody debris, boulders, spawning habitat were designed to provide diverse aquatic habitat for fish and wildlife. The project is currently under construction.

### **Seeley Creek | Alliance of Rouge Communities | Oakland County, MI**

Designed habitat improvements to Seeley Creek, a designated county drain. The design focused on morphological, substrate, and cover improvements to create more diverse and stable habitats. Riparian habitat and wetland enhancements were also design by managing invasive species, improving hydrology, and planting native species. Gully erosion from storm water outfalls were stabilized to reduce sedimentation and prevent riparian wetland drainage.

### **Wetland Mitigation Planning | GD3 Ventures | Willoughby, OH**

Conducted field assessments and hydrological assessments to evaluate site suitability for constructing mitigation wetlands. Coordinate with client to acquire necessary soil test pits and infiltration rate studies. Estimated potential wetland acreage and prepared concept drawings. Coordinate with other project consultants and stakeholders.

### **Wetland and Riparian Habitat Restoration | Alliance of Rouge Communities | Wayne County, MI**

Designed hydrological and plant community improvements to existing wetlands and riparian habitat along the Rouge River by correcting drainage, managing invasive species, and planting native species. Also designed expansion of existing wetlands and creation of new wetlands. Coordinated with Parks and Recreation staff to design habitat improvements within surplus park lands.

### **Tamarack Creek Restoration | Alliance of Rouge Communities | Oakland County, MI**

Designed the restoration of Tamarack Creek, a tributary of the Rouge River located in the City of Southfield, Oakland County, Michigan. Tamarack Creek had been channelized and heavily impacted by storm water. The design was based on development of a 2-stage channel with flood benches cut at the bankfull elevation and a new meandering stream channel. Flood discharge dissipation on the new floodplains will stabilize habitat and reduce instream energy. Furthermore,

the new meandering stream channel results in decreased slope and instream energy while creating more diverse habitat. The new floodplain was planted with native species to establish a southern Michigan floodplain forest with vernal pools on the floodplain.

### **Hennepin Marsh Restoration | Friends of the Detroit River Detroit, MI**

Designed habitat shoals along the shoreline of the Detroit River to restore Hennepin Marsh. The habitat shoals were designed to deflect river current and wave energy landward of the shoals, creating shallow backwater habitat capable of supporting wetland vegetation. Incorporated fish habitat into the design of the shoals and backwater habitat.

### **National Resources Conservation Service (NRCS) Watershed Project Plan | Grand Valley Metropolitan Council | City of Grand Rapids, MI**

Assisting in the development of a Watershed Project Plan to support federal funding for restoration of the rapids on the Grand River in the City of Grand Rapids, including removal of three low-head beautification dams.

### **Kids Creek Restoration | The Watershed Center Traverse City, MI**

Led the design of habitat improvements using large woody debris, cover structures, riparian restoration, and bioengineering techniques to improve fish habitat in Kids Creek.

### **Kids Creek 14th Street Storm Sewer Outfall Treatment Wetland | The Watershed Center | Traverse City, MI**

Applied ecological restoration concepts to the design of a natural wetland and wetland enhancements to treat stormwater. Evaluated alternatives for using gravity flow.

### **Erosion Control | Spalding DeDecker | Rochester Hills, MI**

Led the preparation of construction drawings, specifications, and application for permit for erosion control at road crossing culverts and stormwater swales in the Thornridge subdivision, Rochester Hills, Michigan.

### **Mill Creek Restoration | Prein & Newhof | Kent County, MI**

Conducted a geomorphic assessment in support of restoration design to improve Mill Creek in Dwight Lydell Park, Comstock Park, Kent County, Michigan. Delivered a report with recommendations for project design to address concrete channel linings, floodplain connectivity, channel stability, streambank stabilization and naturalization, and user impacts.

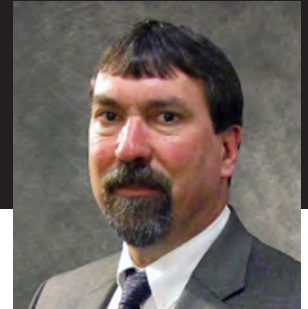
ectinc.com > 855.737.0444





# Steve Allen, PE

## Fish Passage Design



### Location

Eureka, CA

### Experience

26 years

### Qualifications/Accreditations

- BS, Environmental Resources Engineering 1996
- Civil Engineer CA

### Key technical skills

- Hydrology, Hydraulics, Fluvial Geomorphology, Floodplain Design, Channel Restoration, Wetland Mitigation Construction, Stream Bank Protection, Bioengineering Techniques, Stormwater Management and Flood Control
- Open Channel Water Conveyance, Grading Plans, Erosion and Sediment Control Design and Plans, Construction Services, and Regulatory Compliance In Sensitive Environments

### Memberships

- American Society of Civil Engineers (ASCE), North Coast Branch, Past President and Director
- International Erosion Control Society
- Salmonid Restoration Federation
- Floodplain Management Association

### Relevance to the project:

Steven brings over 26 years of experience to our team, overseeing projects involving a mix of municipal and civil infrastructure including fish passage, stream restoration, stormwater, water supply, hydrology, hydraulics, fluvial geomorphology, floodplain design, channel restoration, wetland mitigation construction, stream bank protection, bioengineering techniques, stormwater management and flood control, open channel water conveyance, grading plans, erosion and sediment control design and plans, construction services, and regulatory compliance in sensitive environments. Steven has served in a high-level leadership capacity for many high profile restoration and fish passage projects (notably leading our West Coast Water Restoration Group) and has led habitat restorations, enhancements, and passage improvements for regulatory agencies, counties, cities, and tribal entities.

### Project experience

#### ***Flood Control Channel Fish Passage and Fish Screening Projects***

**Role:** Project Manager

**Client:** Alameda County Water District

**Location:** Alameda County, CA

Responsible for this fish passage projects within a USACE built flood control channel with two large inflatable rubber dams (RD1 and RD3) on Alameda Creek to help groundwater recharge for water supply. Project included hydrologic and hydraulic modeling, geotechnical investigations, civil, structural, and electrical engineering for the development and design for two fish passage facilities and new fish screens at the Shinn Diversion to allow for passage of juvenile and adult migrating salmonids. Work included the assessment of inflatable dam replacement options, development of alternatives to improve fish passage,

meeting with various regulatory agencies including CDFW, NOAA, USACE, and RWQCB, the participation and preparation of permit supporting documents including USACE Jurisdictional Determination and hydraulic technical memo in support of the USACE 408 permitting process.

#### ***Stillaguamish Weir Permanent Fishway***

**Role:** Senior Design Engineer

**Client:** Northbank Civil & Marine

**Location:** Silvana, WA

GHD provided the design of a pool and chute style fishway to provide fish passage at an existing weir on the Stillaguamish River at the Cook Slough near Silvana, WA. The project was a design-build venture for the USACE Seattle District. Led the design team to conduct a hydraulic analysis of the fishway using one-dimensional (1D) analysis, as well as the development of a three-dimensional (3D) Computational Fluid Dynamics (CFD)

## Bill Weihbrecht | Constructability Review

model. The CFD model was used to optimize the design for hydraulic performance as well as cost savings considerations. The design effort included consultation with the USACE and National Marine Fisheries Service (NMFS).

### **Lower San Luis Creek Fish Passage Design**

**Role:** Senior Design Engineer

**Client:** Water Systems Consulting, Inc.

**Location:** Avila, CA

Served as the senior design engineer on a CDFW grant-funded project to improve fish passage at Marre Weir, the most downstream barrier to passage on the San Luis Obispo Creek. The project included development of an alternatives analysis and Preliminary Design Report for three alternatives for improving fish passage at the weir and three alternatives for structural improvements to the sheet pile weir to a 30% design level, including design calculations and drawings. The project also included the development of the preferred fish passage and weir structural concepts to a 65% design level to be included in a grant application for future project funding. Tasks included consultation with stakeholders and permitting agencies.

### **Upper Penitencia Creek / Alum Rock Park Fish Passage Improvements**

**Role:** Project Manager, Designer

**Client:** Santa Clara Valley Transportation Agency

**Location:** Santa Clara, CA

Responsible for this project for the Santa Clara Valley Transportation Agency and the City of San Jose to design streambed and structural improvements within the park. The project addressed three goals identified in a 2001 riparian management plan: 1) Enhance biological diversity; 2) Restore hydrology, and 3) Reduce sediment input and protect cultural and historical resources. The completion of this project not only improved fish passage and enhanced habitat conditions within the creek, it also improved the enjoyment and education of Alum Rock Park's 100,000 yearly visitors - many of whom are students. The successful project was the recipient of the ASCE Region 9 Environmental "Project of the Year" Award in 2013.

### **Rohner Creek Flood Control, Habitat, and Seismic Improvements**

**Role:** Principal-in-Charge

**Client:** City of Fortuna

**Location:** Fortuna, CA

Responsible for this ongoing project which includes a 2D hydrologic and hydraulic analysis of Rohner Creek and the adjoining floodplain within the City of Fortuna and the subsequent design of flood reduction alternatives. The objective of the initial study was to analyze the Rohner Creek watershed and identify potential flood reduction improvements

to reduce the frequency of flooding events along the Rohner Creek channel within the Federal Emergency Management Agency (FEMA) flood hazard zone. Involvement included the hydrologic (HEC-HMS) and 2-Dimensional hydraulic modeling (MIKE) of Rohner Creek, a "creek survey", calibration of the hydrologic model to gaged storm events, and development of potential flood reduction alternatives. Flood reduction improvements analyzed included channel widening and terracing with habitat improvements, diversion pipelines, and detention basins. Project funding included a \$3.5 million prop 1E grant stormwater and \$400,000 Prop 84 urban streams grant from DWR.

### **5 Stonybrook Creek Fish Passage Barrier Removal**

**Role:** Project Manager, Designer

**Client:** Alameda County RCD

**Location:** Alameda County, CA

Responsible for this design project to remove two fish passage barrier culverts on Polomares Road. The project needed to comply with current fish passage design criteria. The project required coordination with various individuals and agencies including NOAA Fisheries, and the Department of Fish & Game) to define the project's physical limits and design constraints. The project included conducting a topographic survey, soils engineering report, geomorphic evaluation, hydrologic and hydraulic modeling, preparing conceptual plans, conducting site review meetings, and preparation of final construction drawings for replacement of the two culvert barriers to improve fish passage at those locations.

### **Young's Dam Fish Passage Improvement Assessment on the Scott River**

**Role:** Project Manager

**Client:** Pacific States Marine Fisheries

**Location:** Etna, CA

Responsible for this fish passage assessment project which included analyzing, modifications to Young's Dam, a low-head flashboard dam used for an irrigation diversion. The project included developing fish passage flows for the site and evaluating performances of alternatives such boulder weirs, roughened channels, and modifications to the existing pool-and-weir fish ladder. Flow depth, velocity, and energy dissipation factor (EDF) thresholds were used in evaluating fish passage performance of the various alternatives.





# Rodrigo Freire De Macedo, PhD, ING, PEng

## Hydraulic Modeling



### Location

Waterloo, ONT

### Experience

20 years

### Qualifications/Accreditations

- PhD, Civil Engineering 2021
- M.A.Sc., Civil Engineering. Concordia University 2016
- M.A.Sc., Hydraulic Engineering. University of Sao Paulo, Brazil 2005
- B.Eng., Civil Engineering. Federal University of RN, Brazil 2017
- Professional Engineers Ontario

### Key technical skills

- Hydrotechnical Engineering
- Programming and Computing
- Computer Aided Design and Drafting (CADD)/GIS

### Memberships

- Ordre des Ingénieurs du Québec

### Relevance to the project:

Rodrigo is a hydraulics engineer with over 20 years of professional experience dedicated to various water resources projects including stormwater drainage/management, flood management, mine water management, coastal modeling and various environmental applications/projects. Rodrigo is experienced in the hydraulic design of various free-surface and pressurized flow hydraulic structures and has an expertise in numerical hydraulic modeling and computational fluid dynamics platforms such as Flow-3D as well as 1D and 2D hydrodynamics. Rodrigo is also experienced in hydrological studies and modeling, watershed and river sediment yield and transport and dam safety studies.

### Project experience

#### Boat Harbour Remediation Project

**Role:** Lead Hydrotechnical Engineer

**Client:** Nova Scotia Lands Inc.

**Location:** Nova Scotia

Hydraulic studies and 2D/3D numerical modeling using Delft-3D software of estuary and coastal environments for the design of mitigation measures and assessment of impacts (increase in erosion and sedimentation; changes in salinity levels) on the Boat Harbour due to the reintroduction of tidal action.

#### Star Lake Canal Superfund Site

**Role:** Lead Hydrotechnical Engineer

**Client:** Star Lake Canal Cooperating Parties

Hydraulic studies for the design/rehabilitation of a spillway

equipped with stop logs and vertical gates and with a discharge capacity of 700 m<sup>3</sup>/s, including analytical studies and Flow-3D simulations.

#### Besy Hydroelectric Development Spillway Rehabilitation

**Role:** Lead Hydrotechnical Engineer

**Client:** Resolute Forest Products

Hydraulic studies for the design/rehabilitation of a spillway equipped with stoplogs and vertical gates and with a discharge capacity of 700 m<sup>3</sup>/s, including analytical studies and Flow-3D simulations.

Flow-3D simulations of steep-mountainous river reach downstream of spillway and mostly under supercritical regime. Design of downstream protection works for the hydropower plant including steeped stilling basin/ plunge pool, concrete walls and riprap erosion protection.

**Rehabilitation of Small Hydropower Developments (8.67 MW)**

**Role:** Project Manager/Design Engineer

**Client:** Ministry of Energy of Azerbaijan

**Location:** Azerbaijan

Due diligence, rehabilitation studies & design and energy generation optimization for 5 existing small hydropower developments, namely: Goychay-1 (3.09 MW), Ismayilli 1 and 2 (3.18 MW), Balaken-1 (1.44 MW), Qusar-1 (0.96 MW).

Assessment of changes in hydrological regime, water and sediment yield in mountainous rivers affecting hydropower generation. Conceptual design solutions to manage sediment loads and improve water intake for hydropower generation on unregulated rivers. CAPEX/ OPEX estimates of proposed solutions. Assessment of water-resources operations in irrigation schemes affecting hydropower generation. Assessment of Operations & Maintenance procedures.

**Calabogie Hydropower Generating Station Redevelopment (11 MW)**

**Role:** Hydrotechnical Engineer

**Client:** Ontario Power Generation

**Location:** Ontario, Canada

The development comprises a 10 m high concrete dam equipped with 3 gated sluiceways and 5 stoplog sluiceways with a combined discharge capacity of 700 m<sup>3</sup>/s. Scope of work: decommissioning of existing 4 MW powerhouse and redevelopment for a 11-MW installed capacity; excavation of forebay and tailrace, construction of a new two-unit powerhouse Work performed: Hydrotechnical and civil studies including:

- Hydraulic analysis and simulations (HECRAS-2D and Flow-3D) to support the reconfiguration of headrace canal and intake
- Optimization of installed capacity of new powerhouse
- Transient analysis and evaluation of turbine overspeed
- Reservoir system operations studies (completed with HEC-ResSIM software) for the cascade of reservoirs of 7 Generating Stations located in Madawaska River system, including: Bark Lake, Kamanisseg, Mountain Chute, Barret Chute, Calabogie, Stewartville and Arnprior. This study was intended to support the upgraded installed capacity at Calabogie. Hydraulic analysis/design of water intake, tailrace; and conceptual design of new powerhouse layout.

**Snare River Hydropower Development (26 MW)**

**Role:** Design Engineer

**Client:** Seabridge Gold

**Location:** Northwest Territories, Canada

Pre-feasibility studies and conceptual design of two run-of-river hydropower sites (13 MW each) operating in cascade. Conceptual design components: rockfill embankments; flood diversion dykes and canals, concrete overflow dams, headrace/forebay/intake, low-head small-hydro powerhouse/ turbines settings.

## > Liz Theile, PWS, CWB®

### Project Manager – Midwest

Ms. Theile is one of ECT's lead permitting and regulatory experts. She has extensive experience as a project manager, focusing on natural resources consultation, threatened and endangered species, and permitting in the Midwest. Her responsibilities include client management, management of deliverables and deadlines, coordination with regulators, leader of field investigations, and compliance assurance. She is experienced in wetland delineation and stream assessments, aerial interpretation, regulatory compliance, wetland mitigation/ monitoring, federal and state permitting, and threatened and endangered species surveys. She specializes in renewable resources, transmission projects, and industrial/commercial/residential development. She is a Professional Wetland Scientist, a Certified Wildlife Biologist, and a certified endangered resources reviewer.



### EXPERIENCE

#### Manage First Network Optical Ground Wire Projects

##### ITC Holdings Corporation ITC Transmission & METC Transmission

Supporting permitting efforts for drain crossings, wetland impacts, county road right-of-way work, and Michigan Department of Transportation permitting and coordination. Prescribe best land management practices for utility line corridors throughout Michigan. The practices are designed to avoid harmful impacts upon threatened and endangered (T/E) plants, birds, mammals, mussels, reptiles, amphibians, insects, and water resources.

#### Wick Road Stream Relocation Project | NorthPoint Development, LLC Romulus, MI

Managed and supported wetland delineation, stream function assessment, state, and local permitting for 4,000 feet of stream/county drain relocation and industrial development project. Coordinated with federal, state, and local agencies on behalf of the client to obtain input and minimize environmental impacts.

#### WayneLux Estates | AdvrnceCorp Development | Romulus, MI

Managed and supported wetland delineation, stream function assessment, state, for 4,000 feet of stream enclosure/county drain relocation and residential complex development project. Coordinated with federal, state, and local agencies on behalf of the client to obtain input and minimize environmental impacts. Managed client, project, and deliverables.

#### Coldwater Solar | Coldwater River Solar, LLC | Coldwater, MI

Managed water resources, permitting, and threatened/endangered species desktop review and permit matrix for a solar facility proposed on 2,185 acres of land.

#### Isabella Wind Project | Isabella Wind, LLC | Isabella County, MI

Managed and secured federal and state permits through USACE and EGLE Joint Permit Applications (JPA) for a 375 MW wind energy project. Supported project planning, resource minimization, meetings, and coordination with client and regulatory agencies. Collaborated with the development team in layout optimization for permitting, impact mitigation, and construction planning. Supported fieldwork and wetland delineation efforts and reporting.

### EDUCATION

B.S., Fisheries, and Wildlife  
Management  
Michigan State University

### CREDENTIALS

Professional Wetland Scientist  
Certified Wildlife Biologist  
Michigan EGLE Certified Storm Water  
Management Operator  
Wisconsin Department of Natural  
Resources Certified Endangered  
Resources Reviewer  
Minnesota Natural Heritage  
Information System Reviewer  
MSHA New Miner Training, Part 46/48,  
24-hour training  
HAZWOPER 40-hour training  
HAZWOPER 8-hour refresher  
Hazard Recognition Training for the  
Construction Industry 10-hour  
CPR/First Aid/AED Certified

### AREAS OF EXPERTISE

State of Michigan Water Resources  
Permitting and Compliance  
Renewable Energy Resources  
Transmission Projects and Permitting  
Wetland Delineation and Stream  
Assessment  
Threatened & Endangered Species

## > Liz Theile, PWS, CWB®

### Project Manager – Midwest

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#### **Azalia Solar | Azalia Solar, LLC | Azalia, MI**

Managed water resources, permitting, and threatened/endangered species desktop review and permit matrix for a solar facility proposed on 5,809 acres of land.

#### **Beecher Solar Project | Confidential Client | Adrian, MI**

Project Manager. Responsible for completing wetland delineations and supporting biological habitat assessment and reporting. Managed and applied for state permit through EGLE Joint Permit Application (JPA).

#### **Kalamink Wind Project | Kalamink Wind, LLC | Michigan**

Managed water resources and permitting desktop review and permit matrix for a wind energy farm proposed on 54,044-acres of land.

#### **Montcalm Wind Project | Montcalm Wind, LLC Montcalm County, MI**

Managed water resources and permitting desktop review and permit matrix for a wind farm proposed on 171,119 acres of land.

#### **Michigan Electric Transmission Company | Midland & Saginaw counties, MI**

Conducted annual flora and fauna surveys at Chippewa Nature Center and Crow Island State Game Area for stewardship outreach and certification from the Wildlife Habitat Council.

#### **Four Solar Development Projects | Sustainable Power Group | Various Counties, MI**

Assisted with wetland delineation and stream assessments. Reviewed Projects for threatened and endangered species and habitat suitability. Supported local and State permitting efforts.

#### **Ecorse Road 72-Acre Site | Ecorse Commons, LLC | Romulus, MI**

Managed state water resources permitting effort and compensatory mitigation requirements. Conducted wetland delineation and stream assessment and reporting.

#### **Multiple Utility-Scale Solar Projects | Confidential Client | Michigan**

Supported environmental and permitting tasks for 3 utility-scale solar projects in Michigan.

#### **Calhoun County Solar | Savion Energy | Calhoun County, MI**

Conducted wetland delineation, stream assessment, and reporting. Coordinated with regulatory agencies. Assisted in alternative design and layout. Supported and secured State water resources permit and mitigation requirements.

#### **Five Wind Projects | Confidential Client | Michigan & Illinois**

Prepared a Tier 2 Site Characterization Study, following U.S. Fish and Wildlife Service's (FWS) Wind Energy Guidance, including descriptions and a summary of threatened and endangered (T/E) species with emphasis on avian and bat species habitat and potential presence. Developed avian survey protocol and field data collection documents. Developed health and safety plans for fieldwork. Analyzed the applicability of federal and state regulations and reviewed the project site, assisting the project developer with implementing impact avoidance and suitable permitting strategies.

#### **Gratiot County Wind | Tradewind Energy, Inc. Gratiot County, MI**

Supported special land use permit (SLUP) application efforts. Assisted with wetland delineation and field coordination.

### PREVIOUS CAREER EXPERIENCE

#### **Golder Associates, Inc. | Midwest**

Conducted desktop evaluations and field investigations for natural resources. Prepared to support environmental assessments, environmental evaluations, and technical reports. Prepared applications to support environmental compliance and permitting requirements for soil erosion and sedimentation control, wetlands, inland lakes and streams, Great Lakes submerged lands, and the National Pollutant Discharge Elimination System program. Conducted endangered species/endangered resource reviews. Organized and supported wetland delineations, monitoring, and mitigation. Assisted in the permitting of six wetland mitigation banks. Assisted with the evaluation and design of waste storage facilities for livestock farming operations, the collection of field samples from monitoring wells for landfills and wastewater. Supported compliance, reporting, and environmental due diligence services for clients including Canadian National, Consumers Energy, Barton Malow, Ford Motor Company, Wisconsin Public Services.

#### **Water Resources Division | Michigan Department of Environmental Quality | Michigan**

Provided administration, compliance, and enforcement of statutes regulating the development of wetlands, inland lakes, and streams, Great Lakes shoreline, and high-risk erosion areas. Conducted field investigations. Prepared reports, permits, denials, and correspondence relative to land and water use programs, as well as T/E species. Identified natural resources, conducted wetland determinations, and evaluated the proposed impact(s) on resources, public trust, and riparian interest.





# Kendrick Jaglal, PE

## Contaminated Sediment Specialist



### Location

Syracuse, NY

### Experience

32 years

### Qualifications/Accreditations

- MS, Forest Engineering
- BS, Water Resources Engineering
- Registered Professional Engineer NY, IN

### Key technical skills

- Investigation and remediation of contaminated sediment.
- Hydraulic and hydrologic assessment of waterways.
- Fate and transport of PCBs in aquatic environments.

### Memberships

- American Society of Civil Engineers (Member)
- Western Dredging Association
- New York Water Environment Association
- Water Environment Federation (Literature Review Committee)
- ASTM International (Standards development)
- Air and Waste Management Association
- Sediment Management Work Group (Sponsor representative)
- Interstate Technology and Regulatory Council (Industry Affiliate Program)

### Relevance to the project:

Kendrick has more than 32 years' experience at several contaminated sediment sites working under the major US federal (e.g., CERCLA, RCRA, WRDA and CWA), states and Canadian environmental programs. Performed tasks include agency negotiations, strategic planning, remedial investigations, treatability studies, feasibility studies, remedial design, permitting, peer review, value engineering, natural resource damage (NRD) and litigation support, public relations and project management. Chemicals addressed include PCBs, PAHs, SVOCs, VOCs, metals, glycols and oil with a recent focus on PFAS.

### Project experience

#### *Investigation and Alternatives Evaluation, Morris Dam*

**Client:** US Navy

**Location:** Azusa, CA

Provided oversight for a sediment related investigation and possible remediation at a military facility. Technical Support included an evaluation of potential remedial alternatives. The target sediment contains a number of chemicals including PCBs.

#### *Remedial Investigation/Feasibility Study Activities, Kalamazoo River*

**Client:** Georgia Pacific

**Location:** Western Michigan, MI

Coordinated the preparation of a CERCLA RI/FS work plan and developed a field sampling plan for the Kalamazoo River Superfund site in the Great Lakes area. Evaluated PCB mass balances for the lake in question by assessing atmospheric, tributary, and industrial contributions. Also performed a FS for sediment and bank soils along 35 miles of the river and associated impoundments.

#### *Pipeline Spill Oil Recovery Efforts, Kalamazoo River and Talmadge Creek*

**Role:** Technical Support

**Client:** Enbridge

**Location:** Marshall, MI

Provided technical support to assist with environmental compliance issues in response to the 2010 release of over 800,000 gallons of heavy crude oil from an oil transport line in

## **Kendrick Jaglal, PE | Contaminated Sediment Specialist**

Marshall, Michigan. Work included the development, oversight, and reporting related to pilot studies to assess various submerged oil recovery techniques from the Talmadge Creek and the Kalamazoo River. Also developed a study to assess the impact of temperature on submerged oil recovery.

### ***Dredge Support Area Design, Hudson River***

**Client:** Confidential Client

**Location:** Northern NY

Served as a member of the team that designed the access area to support the dredging of approximately 250,000 cubic yards of PCB containing sediment from the Hudson River. Areas dredged were those that were logistically challenging, including shallow areas behind islands, areas near dams, and the "land locked" section of river located between the Thompson Island Dam and Fort Miller Dam.

### **Sediment/Soil Removal Engineering Support Hamilton Pond Restoration**

**Client:** Mercury Marine

**Location:** Cedarburg, WI

Provided engineering support for a design build program to remove floodplain soils and previously inundated sediment from a former impoundment when the dam failed. Initial efforts included a phased sampling and analytical program to cost effectively delineate the extent of PCB impacts. Overall work also involved remedial design, permitting, wetland delineation, and HEC 2 modeling. Work efforts also included coordination with the Wisconsin Department of Natural Resources (WDNR) during the permitting and construction phases of the project.

### ***Saginaw River***

**Role:** Technical Support

**Client:** Confidential Client

**Location:** Saginaw, MI

Reviewed existing site PCB data and developed a series of arguments for no further sediment sampling in the river in response to an agency request. Following review of the letter, the agency concurred that no additional sampling was necessary.

### ***Removal Action Support, Ruck Pond***

**Client:** Mercury Marine

**Location:** Cedarburg, WI

Served as task manager for a sediment (containing PCBs) removal action investigation at Ruck Pond in Wisconsin. Prepared a work plan and project operation plans, coordinated analytical laboratory selection, and reviewed pertinent documents including the removal action design. Provided technical support during the removal including negotiations to acquire landfill disposal space, obtaining a discharge permit, and process control to reduce in stream pH levels.

### ***Remedial Design, Wilson Ditch***

**Client:** Confidential Client

**Location:** Noblesville, IN

Managed an engineering design project for a RCRA corrective measures program at an urban stream located in Indiana. Approximately two miles of stream sediment and bank soils containing PCBs were targeted for remediation. Work efforts included preparing a corrective measures implementation work plan and associated planning documents, sampling, remedial design, permitting, hydraulic modeling, and restoration design. The proposed remediation included sediment removal, on site consolidation, off site disposal, stream rerouting, and stream bank enhancement.

### ***Remedial Investigation/Feasibility Study Sludge Lagoons Site***

**Client:** MMSD

**Location:** Madison, WI

Co authored the RI Report for the MMSD Superfund (CERCLA) Site, a 140 acre lagoon site located in a wetland area, adjacent to lakes and streams. Site constituents included metals, VOCs, SVOCs, and PCBs. Assessed treatment alternatives and made recommendations for treatability studies. Evaluated results of the treatability studies and served as principal author and Task Manager for the Site FS.

### ***Remedial Investigation/Feasibility Study Sheboygan River and Harbor***

**Client:** Tecumseh Engines

**Location:** Sheboygan Fall, WI

Participated in various phases of a CERCLA RI/FS for sediments and floodplain soils associated with the Sheboygan River and Harbor Superfund Site. After identifying a preliminary set of potential remedial alternatives for metals and PCBs, performed an alternative specific RI. Using the information from this and several other investigations, prepared an FS to evaluate remediation of site sediment, floodplain soils, and groundwater.

### ***Remedial Investigation/Feasibility Study, Fox River***

**Client:** PH Glatfelter

**Location:** Neenah/Menasha, WI

Served as task manager for a sediment investigation at Little Lake Butte des Morts in Wisconsin. The sediment contained PCBs, allegedly came from recycled copy paper. Prepared a work plan and project operation plans, coordinated analytical laboratory selection, and reviewed pertinent historical data. Provided oversight of the field investigation and prepared a report to document the findings.



# Bill Weihbrecht

## Constructability Review



### Location

Harrisburg, PA

### Experience

45 years

### Qualifications/Accreditations

– BS, Environmental Technology 1979

### Key technical skills

- Applied River Morphology
- Freshwater Wetland Construction
- State of Maryland Erosion and Sediment Control Certification

### Memberships

- New York State Society of Professional Engineers
- Virginia Fish Barrier Task Force

### Relevance to the project:

Bill has extensive experience in dam removals including feasibility analyses, sediment assessment, staged dam breach sequencing, stream restoration design and construction oversight. He has completed the design and/or construction management of 48 dam removal and fish passage projects throughout the Mid-Atlantic, New England and Upper Midwest regions. He has experience in coordinating with state and federal government agencies related to design and permitting issues. His regulatory and construction experience compliments the permitting and design tasks. This hands-on experience results in practical, cost effective designs while minimizing environmental impacts. The majority of his experience includes using a natural channel design approach to restore natural stream functions and quality habitat. Bill is experienced at making field adjustments during construction to minimize impacts, reduce construction costs and enhance habitat.

### Project experience

#### ***Flock Process Dam Removal and Fish Passage***

**Role:** Senior Stream Restoration Specialist  
**Client:** City of Norwalk  
**Location:** Norwalk, CT

Completed the design of a dam removal and 1,200 feet of river restoration to restore anadromous runs of alewives, herring and sea run brown trout to the Norwalk River. Project involved close coordination with the Connecticut State Fish Passage Coordinator and full time construction oversight.

#### ***Atlas Dam Removal***

**Role:** Senior Stream Restoration Specialist  
**Client:** Hockendaqua Trout Unlimited  
**Location:** Northampton, PA

Completed the design, permitting and construction oversight of the Atlas Dam on Hockendaqua Creek, a tributary to the Lehigh River. Project involved the removal of 17,000 CY of impounded

sediment, restoration of 2,000 feet of stream channel and creation of 1.7 acres of wetland.

#### ***Mill Creek Dam Removal***

**Role:** Senior Stream Restoration Specialist  
**Client:** Village of Dexter  
**Location:** Dexter, MI

Completed the design and construction oversight. Project involved the removal of an eight foot high dam associated with a bridge replacement. Design included installation of 5 in-stream grade control structures which minimized sediment mobilization, provided upstream floodplain connectivity and enhanced fish passage and recreational boating.

#### ***Sabin and Boardman Dam Removal***

**Role:** Senior Stream Restoration Specialist  
**Client:** Conservation Resource Alliance  
**Location:** Traverse City, MI

Largest dam removal project in the state of Michigan. Involved in data collection, preparing phased dam breaching plans,

## Bill Weihbrecht | Constructability Review

risk assessment, stream restoration design and construction management.

### ***Saucon Creek and Historic Bethlehem Dam Removals***

**Role:** Senior Stream Restoration Specialist

**Client:** City of Bethlehem

**Location:** Bethlehem, PA

Completed the dam removal designs, permitting and construction oversight for both dams. Project included several hundred feet of stream restoration. Both streams are high quality, naturally reproducing brown trout fisheries.

### ***Cumberland Marsh Dam Removal***

**Role:** Senior Stream Restoration Specialist

**Client:** The Nature Conservancy

**Location:** New Kent, VA

Completed design, permitting and construction oversight of a large earthen dam removal across an unnamed tributary to Holts Creek. Located in a tidally influenced area of Holts Creek, the construction sequencing needed to consider tide changes during the final breach. A breach was sized as well as a low flow channel which would allow fish passage at low tide. Design changes in the field resulted in enhanced populations of a federally protected plant species within the fluctuating tide zone. Project resulted in the creation of 6 acres of wetland.

### ***Lake Charles Dam Removal***

**Role:** Senior Stream Restoration Specialist

**Client:** The Nature Conservancy

**Location:** Charles City, VA

Completed the design, permitting and construction oversight of an earthen dam removal on Kimages Creek, a tributary to James River. Project involved breaching the dam in a fluctuating tide area of James River. A low flow channel was constructed for low tide to allow for fish passage into the newly created marsh.

### ***Stroud Preserve Dam Removal***

**Role:** Senior Stream Restoration Specialist

**Client:** Natural Lands Trust

**Location:** West Chester, PA

Completed the design, permitting and construction oversight of an earthen dam removal on an unnamed tributary to East Branch Brandywine Creek. Project involved restoring the stream channel back to its historic location. In-stream rock grade control structures were utilized to minimize sediment mobilization, enhance wetland creation and restore a natural meandering channel through the former impoundment.

### ***Spanglers Mill, Witlinger and Green Lane Farm Dam Removals***

**Role:** Senior Stream Restoration Specialist

**Client:** Cumberland Valley Trout Unlimited

**Location:** Camp Hill, PA

Completed the design permitting and construction oversight of three dams on the Yellow Breeches Creek. Project involved stream restoration and trout habitat improvements.





# Woodland Lakes Dam Decommissioning

## **Mission**

Woodlands Lake Dam Decommissioning (Partial Breaching)

## **Client**

Westchester County Department of Public Works & Westchester County Department of Parks, Recreation, and Conservation

Village of Irvington, Westchester County, NY

## **Date**

Construction Summer 2022

## **Value**

Approximate Construction Value:  
\$5 Million

## **The challenge**

Woodlands Lake Dam is located in the Village Irvington, New York and is owned and operated by Westchester County Department of Parks, Recreation, and Conservation (WCDPRC). The dam is a stone and masonry dam and is believed to have been erected circa 1840. The Dam has a single spillway that is partitioned into three overflow sections by two piers that support a vehicular bridge. The dam is considered to be a Class C, high hazard dam. The existing structure has insufficient spillway capacity and major rehabilitation was required to bring the dam into compliance with New York State Department of Environmental Conservation regulations for a Class C dam.

## **Our response**

GHD has provided professional engineering services for the Woodlands Lake Dam since 2013. The Woodlands Lake Dam Engineering Assessment Report and Engineering Recommendation Report were published by GHD in 2015. The Engineering Recommendation Report outlined two mitigation options including the decommissioning of the dam and converting the structure to a Class D, No Hazard Dam.

→ **The Power of Commitment**



The project to decommission the dam included partially breaching the structure at the middle spillway section. A low flow channel was routed through this breach, upstream of the dam. Under normal flow conditions the impoundment was eliminated and the Saw Mill River was reverted to its original condition as a flowing river through this reach. As part of the modifications, the eastern section of the spillway was partially demolished and lowered to an intermediate elevation, while the western section of the spillway remained at the existing elevation. These sections act as an overflow during high flow conditions.

Additional modifications to the dam, included the replacement of the existing vehicular bridge with a pre-engineered vehicular bridge. The new bridge spans the length of the spillway, and the existing piers were used to partially support the new bridge. There were existing utilities hanging from the existing bridge that were relocated and rehung from the new bridge.

Under this project the impoundment was eliminated and the Saw Mill River was diverted through a stone lined low flow channel with a series of armored stone weirs. The armored stone weirs within the channel create natural pools that allow for fish passage through this reach of river. The existing lake bed was regraded to accommodate the new low flow channel and was converted into a flood plain. The proposed plans included the planting of native trees, shrubbery, and seed.

In order to construct the project a temporary cofferdam was installed upstream and downstream of the work area. Multiple temporary pipes were installed to bypass the river flow and also to bypass multiple storm pipe outlets.

The project required the involvement of regulators such as New York State Department of Environmental Conservation and US Army Corps of Engineers. Prior to obtaining the required permits for construction, the project went through a public comment period, in which no comments were received.

Additionally, Westchester County is a regulated entity under the U.S. Environmental Protection Agency's NPDES MS4 Phase II program. As such, a Stormwater Pollution Prevention Plan (SWPPP) was developed for the County's review and acceptance. The SWPPP outlined the measures required by the Contractor to manage the discharge of stormwater from the worksite.

### **The impact**

The partial breach of the Woodlands Lake Dam mitigated the risk of dam failure and potential loss of life and property. Decommissioning the dam provided the Owner with cost savings as maintenance and inspections were no longer required. The project also, provided enhanced environmental features including fish passage through this river reach, where the barrier of the dam once stood. Lastly the breaching of dam did not result in increased flooding downstream of the work site.



# > Watervliet Dams Removal Monitoring

Berrien County, Michigan



## DESCRIPTION

The Berrien County Brownfield Redevelopment Authority was the owner of two concrete dams formerly located on the Paw Paw River. The County removed the dams in 2011 using funding provided by the National Oceanic and Atmospheric Administration (NOAA), U.S. Fish and Wildlife Service, and Michigan Department of Natural Resources Fisheries Division (MDNR). ECT prepared the project designs, obtained the Michigan Department of Environmental Quality (MDEQ) permit, performed construction administration, and conducted monitoring to evaluate project success.

ECT worked with NOAA and MDNR to develop a project monitoring protocol shortly after project kick-off and prior to starting the baseline monitoring. The monitoring protocol specified the methods for collecting biological and environmental data, and methods for analyzing the data.

ECT conducted the baseline monitoring in the fall of 2010 and spring of 2011 prior to dam removal and site restoration. A boom shocker was used to collect fish from the Paw Paw River during the 2011 spring spawning migrations downstream of the former dams. Target fish species (walleye and suckers) were fin-clipped for later identification during subsequent recapture efforts following dam removal. Following dam removal, fish were collected from the Paw Paw River upstream of the dams in an effort to recapture target fish that had been fin-clipped downstream of the dams prior to their removal. ECT was able to successfully capture fin-clipped fish upstream of the dams and demonstrate successful target fish passage.

Macroinvertebrate sampling data were used to compare macroinvertebrate community composition in constructed riffles to the community of a natural reference riffle. Various community composition indices are being used to evaluate macroinvertebrate colonization within the constructed riffles when compared to the reference riffle.

## CLIENT

Berrien County Brownfield Redevelopment Authority

## PROJECT TIMELINE

May 2010–December 2013

## PROJECT HIGHLIGHTS

- Remediation/demolition design, preparation, & oversight
- Brownfield master planning, reuse planning, & strategies
- Community outreach
- Preparation/review of plans, drawings, specifications, proposals, & technical reports
- Funding & agency negotiations
- Ecosystem restoration & management
- Federal & state grant/loan applications
- Preparation/evaluation of engineering design specifications
- Project & bid cost preparation/evaluation
- Site grading/erosion control/restoration

[ectinc.com](http://ectinc.com) > 855.737.0444









## "The Island City"

## MEMORANDUM

211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821  
Fax: 269-685-7282

To: City Council  
From: Robert Nieuwenhuis  
Subject: Water  
Date: 6/20/2022

---

I am looking for approval of emergency repairs needed for the well generator.

We recently changed generator maintenance contractors and had the generator load bank tested. When this test was performed the generator failed. The turbo seal failed and lots of smoke came from the exhaust. This generator is needed for our water system power backup. I have given Wolverine Power Systems the ok to get this scheduled and repaired.

Total services involved in the diagnosis, repair, and testing should not exceed \$9,500.

Wolverine Power Systems will be making the repair for Kennedy industries, Kennedy is our maintenance contractor but they no one on staff that can make this repair.

Robert Nieuwenhuis

**PLEASE REMIT PAYMENT TO:**
**Wolverine Power Systems**  
 3229 80th Avenue  
 Zeeland MI 49464  
 (800) 485-8068

**Invoice**
**Customer Number:** PLA033  
**Invoice Number:** 0232195-IN  
**Invoice Date:** 6/10/2022  
**Order Number:**  
**Order Date:**  
**Salesperson:** JLW  
**Invoice Total:** 1,280.00

**PLEASE RETURN TOP PORTION WITH PAYMENT.**
**Sold To:**  
 VILLAGE OF PLAINWELL  
 126 FAIRLANE STREET  
 PLAINWELL, MI 49080

**Ship To:**  
 VILLAGE OF PLAINWELL - DPW  
 126 FAIRLANE STREET  
 DEPARTMENT OF PUBLIC WORKS  
 PLAINWELL, MI 49080

**Confirm To:** \_\_\_\_\_ **Phone:** 269-685-9396 **Fax:** \_\_\_\_\_ **Page:** 1

Customer P.O.	Ship VIA	F.O.B.	Terms
			Due Upon Receipt

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
--- SVC JOB 0689488 ---						
GEN SMOKING						
/NRSLABOR		2.50	2.50	0.00	170.000	425.00
LABOR (NRS)						
/NRSTRAVEL	EACH	3.00	3.00	0.00	145.000	435.00
TRAVEL (NRS)						
/NRSMILES	EACH	140.00	140.00	0.00	3.000	420.00
MILEAGE (NRS)						

 MICHIGAN'S INDUSTRIAL  
 DISTRIBUTOR OF



ZEELAND

GAYLORD

WIXOM

**POWERING  
 MICHIGAN  
 SINCE 1997**

 A 1.5% per month finance charge will be assessed on amounts past stated terms.  
 A 15% restocking fee will be applied for all returned parts. Opened electronic parts not accepted.  
 We accept Visa, MasterCard, Discover, and American Express.  
 A 3% surcharge is applied to any transaction exceeding \$5,000. This fee is not greater than cost of acceptance.

Net Invoice:	1,280.00
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
<b>Invoice Total:</b>	<b>1,280.00</b>

**EMPOWERING & ENRICHING PEOPLE WITHIN OUR COMMUNITIES**



# SERVICE REPORT

Date of Service: 06/09/2022

Servicer ID: JLV

Job Number: 0689488

## Service Site Address

## Billing Address (If Different)

Site Name: VILLAGE OF PLAINWELL - DPW  
 Site Address: 126 FAIRLANE STREET  
 Site Address 2: DEPARTMENT OF PUBLIC WORKS  
 City, State, Zip: PLAINWELL, MI, 49080, USA  
 Site Contact: BOB NIEUWENHUIS  
 Contact Phone: 269-685-9396  
 Contact Email: DPW@PLAINWELL.ORG

Bill To: VILLAGE OF PLAINWELL  
 Billing Address: 126 FAIRLANE STREET  
 Billing Address 2:  
 Billing City, State, Zip: PLAINWELL, MI, 49080  
 Billing Contact:  
 Billing Phone:  
 Billing Email:

## Equipment Info: GEN01 -

## Additional Equipment Info -

Make: ONAN Rating: 250 KW  
 Model: N/A Fuel Type: NG  
 Serial: 1990989483 Voltage: 480  
 Spec: N/A Phase: 3  
 Gearbox: N/A Rotation: N/A  
 GB RPM: N/A S/E Rated: No

Make: CCUMMINS Rating:  
 Model: GTA14G1 Voltage: N/A  
 Serial: 11969421 Phase: N/A  
 Spec: N/A Rotation: N/A  
 Gearbox: N/A S/E Rated: No  
 GB RPM: N/A

## Additional Equipment Info -

## Additional Equipment Info -

Make: ONAN Rating: 400 AMP  
 Model: OTC-3378852 Voltage: 480  
 Serial: 1990981818 Phase: 3  
 Spec: K Rotation: N/A  
 Gearbox: N/A S/E Rated: No  
 GB RPM: N/A

Make: Rating:  
 Model: Voltage:  
 Serial: Phase:  
 Spec: Rotation:  
 Gearbox: S/E Rated:  
 GB RPM:

## Warranty Info - GEN01

## Coverage Detail

Wty Start: Wty Expiration:  
 Wty Type:

Travel/Labor: No Parts: No  
 Control Number:

## DESCRIPTION OF WORK

GEN SMOKING /

Emergency: No  
 Holiday: No

## REPORT OF NOTE:

- DIAGNOSIED GEN SMOKING.
  - FOUND THAT ANOTHER COMPANY LOAD BANKED THE GENERATOR AND AFTER THAT IS N THE GEN STARTED SMOKING OUT OF THE EXHAUST.
  - I FOUND THAT THE SMOKE WAS BURNING OIL AND OIL LEVEL WAS 1 GALLON LOW.
  - I CHECKED THE INTAKE PIPE AND THERE WERE NO SIGNS OF OIL LEAKS.
  - CHECKED FOR BLOW-BY OF THE ENGINE AND IT HAD NONE.
  - TRACED THE OIL LEAK TO A BAD TURBO TURBINE SEAL.
  - WE WILL NEED TO REPLACE THE TURBO,
  - ALSO FOUND A COUPLE COOLANT LEAKS AT THE THERMOSTAT HOUSING, CUSTOMER WOULD LIKE THOSE REPAIRED AS WELL.
- TURBO IS A HOLSET MODEL : H2D ASSY: 35800808 SERIAL : H990506818  
 UNIT IS IN OFF AND IS DOWN FOR THE TIME BEING.

Unit Hours:	599.2	Diagnostic Complete:	Yes
Quote Required:	Yes	Customer Updated:	Yes
Equipment Online:	No	Repairs Complete:	No



## "The Island City"

### MEMORANDUM

211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821  
Fax: 269-685-7282

To: City Council  
From: Robert Nieuwenhuis  
Subject: Equipment  
Date: 6/20/2022

---

I am looking for approval to get the transmission for truck #12 repaired.

Truck #12 is the truck we just replaced the motor in earlier this year. With this being said we just invested around \$30,000 in those repairs there fore I believe it is in our best interest to make this repair.

Attached I have a quote from M and C repair for \$9,433.13

M and C have made many repairs for us and are a preferred vendor.

Robert Nieuwenhuis



M&C Repair LLC

3244 Lincoln Road  
Hamilton, Michigan 49419

# Estimate



Date	Estimate #
5/20/2022	3398

Name / Address
City Of Plainwell 126 Fairlane Street Plainwell, MI Contact Bob @ 269-685-9363

P.O. No.	FOB
Truck: 263	Truck #12

Description	Qty	Rate	Total
Truck: 265 2006 / GMC Vin: F416249			
R&R Transmission -	25	140.00	3,500.00
Rebuild Transmission	1	5,818.68	5,818.68
Trans Fluid	5	15.89	79.45
Supplies & Materials Used	1	35.00	35.00
<b>Total</b>			<b>\$9,433.13</b>

Phone # 269-806-7224 customerservice@mcrepairllc.com



## "The Island City"

## MEMORANDUM

211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821  
Fax: 269-685-7282

To: City Council  
From: Erik J. Wilson, City Manager  
Subject: SEIU (Public Works) Labor Agreement  
Date: June 23, 2022

---

Below contains the tentatively agreed upon results from the contract negotiations between the City and SEIU. For Council's consideration is a 4-year contract with the following changes to the existing contract:

➤ **4-year contract July 2022 – June 2026**

➤ **Rate of Pay July 2022 – June 2026**

5% 1% 1.5% 1% average of 2.13% per year

Years served will be reflected when moving from part-time to full-time.

➤ **Removed Herbicide/pesticide**

Rate of pay .55/hour for actual time spent

➤ **Removed Hydrant Flushing**

Rate of pay .35/hour during work hours of 11:00 PM to 7:00 AM

➤ **Removed Reading of Water Meters**

Language required City to use Water License employees first to read water meters

➤ **Added Supplemental pay**

After the first 6 months of employment, bargaining unit members shall have the opportunity to receive additional pay for time spent on operations and duties within the applicable area.

Part-time will receive \$1.00 per hour and full-time will receive \$2.00 an hour.

- Street Construction – Full Street Asphalt Paving
- GIS mapping equipment
- Specialty Concrete Work

➤ **Added a Foreman's position**

\$1.50/hour over top out rate. Foreman does not receive any supplemental pay; those jobs are part of the job description.

➤ **Hours of work changed for DPW only**

Went from 7:00 AM – 3:30 PM with a paid half-hour break and an unpaid half-hour meal break

To: 7:00 AM – 3:00 PM with a 20-minute paid meal break

➤ **Call-in pay**

Went from 4 hours to 3 hours

➤ **Uniforms**

Replacing the rental of pants and the City will supply 7 pairs of pants/7 short sleeve shirts and a combination of 7 long sleeves or sweatshirts. Employees will wash and care for clothing. When needed will turn in the damaged or worn garment for replacement to Department Head.

➤ **Boot Allowance**

From \$175.00 for PT /\$200.00 for FT to \$225.00 for all bargaining members



# CITY OF PLAINWELL CAPITAL IMPROVEMENT PLAN

2022-2027



## City Council:

### Adopted (INSERT)

- Mayor – Brad Keeler
- Mayor Pro-Tem - Lori Steele
- Councilmember – Randy Wisnaski
- Council member - Roger Keeney
- Councilmember - Todd Overhuel

## City Planning Commission:

### Adopted (INSERT)

- Chairperson – Rachel Colingsworth
- Vice-Chairperson – Gary Sausaman
- Commissioner – Jim Higgs
- Commissioner - Lori Steele
- Commissioner – Stephen Bennett
- Commissioner – Jay Lawson
- Commissioner – Dale Burnham

*The Island City*



## WHAT IS A CAPITAL IMPROVEMENT PLAN?

A Capital Improvement Plan (CIP) is a flexible multi-year plan based upon long range infrastructure needs of the City. The purpose of a CIP is to facilitate the orderly planning of infrastructure improvements and to maintain, preserve and/or schedule replacement of equipment to ensure the efficient delivery of services to the community. The CIP is also utilized to ensure that capital improvements are fiscally sound and consistent with the tools and policies of the Council and community.

## WHAT IS A CAPITAL PROJECT?

A Capital Project is a project that helps maintain or improve a City asset. To be included in the City's Capital Improvement Plan, a project must have a total cost of at least \$10,000 over the life of the project and meet at least ONE of the following criteria:

- New construction, expansion, renovation, or replacement for an existing facility or facilities. Project costs can include the cost of land, professional services (i.e. engineering/architectural) or contracted services needed to complete the project.
- or-
- It is a purchase of a major piece of equipment with a useful life of at least 10 years.
- or-
- It is considered a major maintenance or rehabilitation project for existing facilities.

## CAPITAL IMPROVEMENT PLAN & THE COMMUNITY

The CIP informs the community on how the City plans to address significant capital needs over the next six-years (6). The benefits of the CIP to the community include:

- Optimizes the use of revenue;
- Coordinates the community's physical planning with its fiscal planning capabilities;
- Helps to guide future growth and development;
- Promotes efficient and responsible government;
- Encourages intergovernmental and regional cooperation;
- Helps to promote a predictable, sound and stable financial program;
- Provides adequate time for planning and engineering of projects;
- Enhances opportunities to leverage private, federal, and state funding;
- Increases opportunities to "pay as you go" thereby reducing additional interest and other charges.

The CIP represents the City's plan to serve our residents and anticipates future needs of the community. Projects are guided by various development plans and policies established by the City which include but not limited to:

- Master Plan
- DDA/BRA/TIFA Plans
- Recreational Plan
- Goals and objectives of the City Council
- Administrative Policies
- Mission Statement

## CAPITAL IMPROVEMENT PLAN PROCESS & THE BUDGET

Preparation of the CIP is done under the authority of Article IV of the Michigan Planning enabling Act (P.A. 33 of 2008). The goal of the CIP is to implement the Master Plan and to assist in the community's long term financial planning.

Each year all projects included within the CIP are reviewed, potentially new projects are reviewed, and adjustments are made to existing projects arising from changes in the amount of funding required, conditions, or timeline. A new year of programming is also added each year to replace the year funded in the annual operating budget. The CIP program should continue to develop over time by adding features to gradually improve quality and sophistication. Roles and responsibilities during the Capital Improvement Process include:

**CIP Policy Group** reviews policies, develops project ratings, reviews funding options and presents recommendations to the Administrative Group. Members of the CIP Policy Group include:

Human Resource Manager  
Community Development Manager  
Water Renewal Superintendent  
Public Works Superintendent  
Public Safety Director  
City Council Representative  
Planning Commission Representative  
BRA/TIFA/DDA Representative

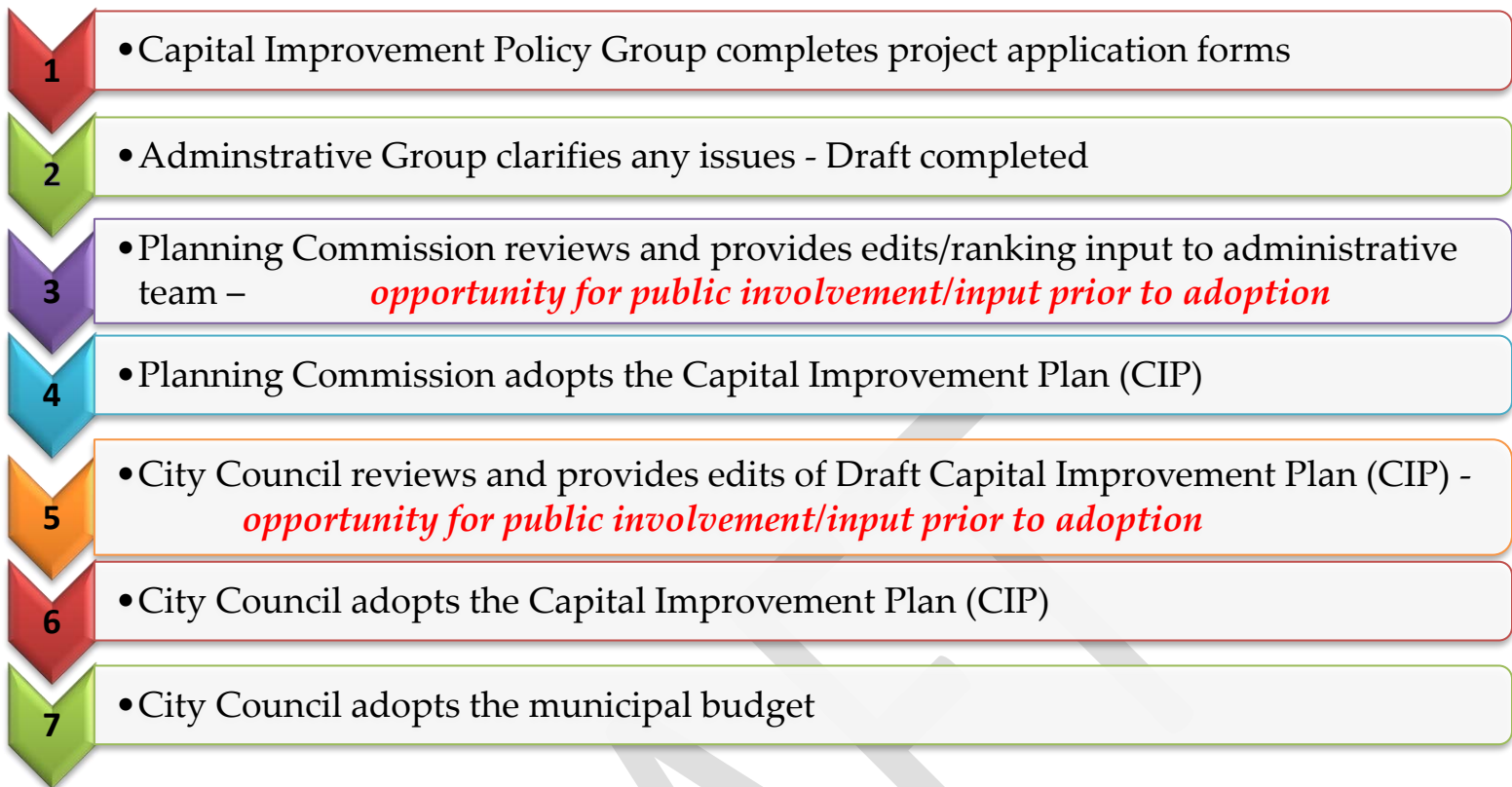
**The Administrative Group** clarifies any issues, finalizes the ratings and brings the CIP draft forward to the Planning Commission. Members of the Administrative Group include:

City Manager  
City Clerk/Treasurer

**The Planning Commission** works with the Policy Group during the plan development, conducts workshops (if necessary), reviews recommendations, receives public input, conducts hearings, adopts the plan and requests the governing body to consider incorporating funding for the first year projects in the municipal budget.

**The City Council** is encouraged to use the Capital Improvement Plan as a tool in the adoption of the annual budget process in accordance with its goals and objectives.

**Residents** are encouraged to participate in plan development by working with various Boards, Commissions and staff.



## REVIEW & SCORING CRITERIA

A wide range and variety of capital improvements are included in this Capital Improvement Plan. The following list identifies criteria the City uses to review potential projects:

- Required to fill any federal or state judicial administrative requirements;
- Ability to capture outside sources of funding;
- Impact on annual operating and maintenance costs;
- Relationship to overall fiscal policy and capabilities;
- Projects readiness in relation to planning/implementation;
- Relationship to the needs of the community;
- Relationship to other projects;
- Distribution and coordination of projects throughout the community;
- Relationship to other community plans;

A project's ultimate funding depends upon a number of factors – not only its merit, but also its location, cost, funding source, and logistics. Priority rankings do not necessarily correspond to that project being funded for any given year. For example, a road-widening project which is ranked lower than a park project may be funded before the park project because the road project has access to a restricted revenue source, whereas a park project may have to compete for funding from other revenue sources. Scoring is based on priority need as follows:

SAMPLE:

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	
Needed to comply with local, state or federal law	5	Yes	-	No	
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	
Service area of project	2	Regional	City-Wide	Neighborhood	
Department Priority	2	High	Medium	Low	
Project delivers high level of service	2	High	Medium	Low	
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <input style="width: 50px; height: 20px;" type="text"/>
<b>Low</b>	<b>Moderate</b>	<b>Desirable</b>	<b>Important</b>	<b>Urgent</b>	
<b>0-24</b>	<b>25-49</b>	<b>50-74</b>	<b>75-99</b>	<b>100-125</b>	

## FUNDING THE CAPITAL IMPROVEMENT PLAN

Because the capital improvements projects involve the outlay of substantial funds, numerous sources are necessary to provide financing over the life of the project. Many capital funding sources are earmarked for specific purposes and cannot be transferred from one capital program to another. For example, funds raised by the community of City of Plainwell’s solid waste millage must be used for the purposes that were stated when the voters approved the millage. The CIP has to be prepared with some projections as to the amount of money available. The following is a summary of potential funding sources for projects included in a capital improvements program:

### Cash – Fund Balance

The City endeavors to fund capital projects with cash (fund balance) whenever possible. The obvious benefit is the elimination of interest payments and/or other fees and charges associated with debt service.

### Enterprise Funds (reserve) funds

In enterprise financing, funds are accumulated in advance for capital requirements. Enterprise funds not only pay for capital improvements, but also for the day-to-day operations of community services and the debt payment on revenue bonds. The community can set levels for capital projects; however, increases in capital expenditures for water mains, for example, could result in increased rates. Enterprise fund dollars can only be used on projects related to that particular enterprise fund, i.e., only water system funds can only be used on water system funds.



## Bonds

When the City sells bonds, purchasers are, in effect, lending the community money. The money is repaid, with interest, from taxes or fees over the years. The logic behind issuing bonds (or “floating a bond issue”) for capital projects is that the citizens who benefit from the capital improvements over a period of time should help the community pay for them. The City of Plainwell may issue bonds in two forms:

### *General Obligation (G.O.) bonds*

Perhaps the most flexible of all capital funding sources, G.O. bonds can be used for the design or construction of any capital project. These bonds are financed through property taxes. In financing through this method, the taxing power of the community is pledged to pay interest and principal to retire the debt. Voter approval is required if the community wants to increase the taxes that it levies and the amount is included in City of Plainwell’s state-imposed debt limits. To minimize the need for property tax increases, the community makes every effort to coordinate new bond issues with the retirement of previous bonds. G.O. bonds are authorized by a variety of state statutes

### *Revenue bonds*

Revenue bonds are sold for projects that produce revenues, such as water and sewer system projects. Revenue bonds depend on user charges and other project-related income to cover their costs. Unlike G.O. bonds, revenue bonds are not included in the community state-imposed debt limits because the full faith and credit of the community back them. Revenue bonds are authorized by Public Act of 1933, the Revenue Bond Act.

## Weight and gas tax

Based on a formula set by the State of Michigan, the community of City of Plainwell receives a portion of the tax placed on motor fuel and highway usage in the state. The restrictions placed on the expenditure of these funds insure that they will be spent on transportation-related projects or operations and services. These are commonly called Act 51 funds.

## Tax Increment Financing (TIF)

TIF is a municipal financing tool that can be used to renovate or redevelop declining areas while improving their tax base. TIF applies the increase in various state and local taxes that result from a redevelopment project to pay for project-related public improvements. For purposes of financing activities within Plainwell's downtown district, the Downtown Development Authority adopted a 30-year TIF plan in 1982. Public Act 281 of 1986, the Local Development Finance Authority Act and Public Act 450 of 1980, the Tax Increment Financing Act authorizes TIF.

## Millages

The property tax is a millage that is one of the most important sources of community revenue. The property tax rate is stated in mills (one dollar per \$1,000 of valuation). This rate is applied to a property’s net value, following the application of all exemptions and a 50 percent equalization ratio.

## Federal and state funds

The federal and state governments make funds available to communities through numerous grants and aid programs. Some funds are tied directly to a specific program. The community has discretion (within certain guidelines) over the expenditure of others. For the most part, the community has no direct control over the amount of money received under these programs.

## Special assessments

Capital improvements that benefit particular properties, rather than the community as a whole, may be financed more equitably by special assessment, i.e. by those who directly benefit. Local improvements often financed by this method may include new street improvements (including pavement, curb and gutter, sidewalks, etc.), sanitary and storm sewers, and water mains.

## Developer contributions

Sometimes capital improvements are required to serve new development. Where funding is not available for the community to construct the improvements, developers may agree to voluntarily contribute their share or to install the facilities themselves so the development can go ahead.

# MISSION STATEMENT, VISION STATEMENT AND GOALS

## Mission

The City of Plainwell is dedicated to delivering high quality services that promote a safe, healthy and quality lifestyle fostered through an open, responsible and cost effective government.

## Vision

Plainwell is a place that is desirable to work, live and visit because of its natural beauty, economic vitality and quality family atmosphere.

## City Council Goals

- Recognize the vital importance of customer service and how it is indistinguishable from the virtues of public service.
- Prioritize resources in a manner that is fiscally responsible and accountable to our residents and businesses.
- Respect, protect and celebrate the Kalamazoo River and other natural features of the City.
- Ensure our community is safe for both our residents and visitors.
- Proactively promote and preserve our existing businesses while ensuring Plainwell is an attractive community to invest in.
- Support the high quality and character of our neighborhoods.

## RELATIONSHIP BETWEEN THE CIP AND THE MASTER PLAN

The CIP is intended to complement the Master Plan to help ensure projects will be completed to meet the goals and objectives of the Master Plan. The CIP is a flexible document that is meant to be re-evaluated and amended each year. At a minimum, the City identifies capital projects to be completed within the next six (6) succeeding years. In some instances, the City will identify projects 10, 20 or 30 years into the future. It is important to note that while capital projects are identified, available resources will not always be readily available. This will require difficult decisions be made in prioritizing potential CIP projects.

## CAPITAL PROJECT CATEGORIES

There are several broad categories in which the City organizes prospective projects, those categories include:

Utility and Infrastructure	Transportation
Public Safety, Health and Welfare	Parks and Open Space
Community Facilities and Development	Motor Pool and Equipment

Within each category, further organization of projects occurs at the department level (water, sewer, streets, etc.)

## SUMMARY AND DETAIL SHEETS

The following section of this plan is divided into two sections, a summary section and an addendum.

### **Summary:**

The Summary section of this plan provides a quick glimpse of planned projects in each of the six categories.

### **Addendum:**

The Addendum section of this plan will include a Detail Sheet of each project as well as the corresponding Needs Assessment Scoring Criteria of that project. The Detail Sheet will provide the reader with additional information about the project not found in the Summary section. While not always the case, it is important to note that the information on the Detail Sheet is intended to be completed on projects within the next two to three succeeding years. The Addendum is organized as follows:

<b>Addendum 1.....</b>	<b>Utilities &amp; Infrastructure</b>
<b>Addendum 2.....</b>	<b>Transportation</b>
<b>Addendum 3.....</b>	<b>Public Safety, Health &amp; Welfare</b>
<b>Addendum 4.....</b>	<b>Parks &amp; Open Space</b>
<b>Addendum 5.....</b>	<b>Community Facilities &amp; Development</b>
<b>Addendum 6.....</b>	<b>Motor Pool &amp; Equipment</b>

# SUMMARY

## FY- 2022-2023

Project Title	FY	CIP #	Priority	Total Cost	City Cost	Non-City Funds
Dystor Cover/Replacement	22-23	UI-22-01	Important	\$318,000	\$318,000	\$0
Water Meter Replacement - Radio Read City-wide (Initial)	22-23	UI-22-02	Important	\$655,540	\$655,540	\$0
Water Dist. Materials Inventory	22-24	UI-22-04	Urgent	\$212,050	\$0	\$212,050
W. Bridge Street-N. Main Bridge Rehabilitation	22-24	T-22-01	Important	\$558,410	\$27,921	\$586,331
Old Orchard Neighborhood-Roads (water/sewer dependent)	22-24	T-22-02	Important	\$325,000	\$325,000	\$0
Jersey Street	22-23	T-22-03	Important	\$40,000	\$65,000	\$0
Walnut Woods	22-23	T-22-04	Important	\$25,000	\$57,000	\$0
North-South Main Crack Sealing	22-23	T-22-05	Important	\$38,000	\$38,000	\$0
Body Cameras (8) w/software	22-23	PS-22-01	Important	\$34,766	\$19,000	\$23,766
River Restoration Project- Eng	22-23	P-22-01	Desirable	\$500,000	\$0	\$500,000
Brooks Plaza – Improvements	22-23	P-22-02	Moderate	\$15,000	\$5,000	\$10,000
Holiday Light Display(s) - downtown	22-23	P-22-03	Moderate	\$10,000	\$10,000	\$0
Computer Equipment/Software	22-23	CF-22-01	Desirable	\$16,000	\$16,000	\$0
Totals:				\$2,618,816	\$1,279,000	\$1,320,050



Utility and Infrastructure projects provide the framework in which the City delivers services to not only today's residents, but future generations. Typical projects include, but are not limited to: water, sewer, storm water, buildings, communications and other endeavors that seek to meet the needs of a growing and dynamic community.

### UTILITY AND INFRASTRUCTURE SUMMARY

Project Title/Description	FY	CIP#	Priority	Total Cost	City Cost	Non-City Funds
Dystor Cover/Replacement	22-23	UI-22-01	Important	\$318,000	\$318,000	\$0
Water Meter Replacement - Radio Read City-wide (Initial)	22-23	UI-22-02	Important	\$655,540	\$655,540	\$0
Water Dist. Materials Inventory	22-24	UI-22-04	Urgent	\$212,050	\$0	\$212,050
Old Orchard Neighborhood – Survey/Engineering	22-24	UI-22-06	Important	\$271,000	\$271,000	TBD
Old Orchard Neighborhood – Water	23-24	UI-23-01	Important	\$1,113,625	TBD	TBD
Old Orchard Neighborhood – Sewer	23-24	UI-23-02	Important	\$1,459,000	TBD	TBD
Digester Coating & Covers Ext.	24-25	UI-24-01	Important	\$125,000	\$125,000	\$0
Water Tower Painting - Interior	24-25	UI-24-02	Important	\$240,000	\$240,000	\$0
Obsolete Water Tower Removal	24-25	UI-24-03	Desirable	\$85,000	\$85,000	\$0
Water Tank Exterior Cleaning	25-26	UI-25-01	Desirable	\$10,000	\$10,000	\$0
Leak Detection – City Wide	25-26	UI-25-02	Desirable	\$10,000	\$10,000	\$0
Replace Cushman Lift Station	25-26	UI-25-03	Important	\$1,000,000	\$1,000,000	\$0
N. Main Street Water Relay - Bridge to Bannister 10"	26-27	UI-26-01	TBD	\$45,000	\$45,000	\$0
Interior Digester - Strip and Coat	27-28	UI-27-01	TBD	\$75,000	\$75,000	\$0
Primary Clarifiers - Replace	27-28	UI-27-02	TBD	\$1,100,000	\$1,100,000	\$0
Water Tank Exterior Cleaning	27-28	UI-27-03	TBD	\$1,100,000	\$1,100,000	\$0
Industrial Parkway Water Loop	28-29	UI-28-01	TBD	\$347,600	\$347,600	\$0
VFD - Replace 3 variable frequency drives wells 2-5-7	28-29	UI-28-02	TBD	\$10,000	\$10,000	\$0
Water Tower Painting - Exterior	28-29	UI-28-03	TBD	\$90,000	\$90,000	\$0
2" Water Main Replacement with 8"-Various Locations	29-30	UI-29-01	TBD	\$118,000	\$118,000	\$0
Acorn Street - Water Main	32-31	UI-32-01	TBD	\$95,000	\$95,000	\$0
Water Tower - Exterior Cleaning	33-34	UI-33-01	TBD	\$10,000	\$10,000	\$0
Melrose St. Water Main Replacement	34-35	UI-34-01	TBD	\$88,000	\$88,000	\$0

Transportation projects center around the City’s network of streets. Investing in our streets is vital to a healthy community since the goods and people that are transported support our economy. The City has over 19.92 miles of road that need to be maintained. In part, the City uses a Pavement Surface Evaluation System (PASER) to prioritize projects. Opportunities to invest in transportation can include street construction and rehabilitation, non-motorized, access management issues and signal technology.

TRANSPORTATION SUMMARY						
Project Title/Description	FY	CIP#	Priority	Total Cost	City Cost	Non-City Funds

W. Bridge Street-N. Main Bridge Rehabilitation	22-24	T-22-01	Important	\$558,410	\$27,921	\$586,331
Old Orchard	22-24	T-22-02	Important	\$325,000	\$325,000	\$0
Jersey Street	22-23	T-22-03	Important	\$65,000	\$65,000	\$0
Walnut Woods	22-23	T-22-04	Important	\$57,000	\$57,000	\$0
North-South Main Crack Sealing	22-23	T-22-05	Important	\$38,000	\$38,000	\$0
Acorn/Wakefield Ct.	23-24	T-23-01	Important	\$190,000	\$190,000	\$0
S. Sunset	23-24	T-23-02	Important	\$50,000	\$50,000	\$0
Union, between Warrant/Church	24-25	T-24-01	Important	\$84,000	\$84,000	\$0
1 <sup>st</sup> and 2 <sup>nd</sup> Avenue	24-25	T-24-02	Important	\$150,000	\$150,000	\$0
Roberts, Orchard and Forbes. – Mill/Fill	25-26	T-24-02	Important	\$64,000	\$64,000	\$0
Michigan Ave.						
W. Grant Street						
Kenwood						
E. Brighton from S. Woodhams/Hicks						
Oak Street						
Court Street						
Cottage Street						
New Orchard Neighborhood						
Island Avenue – Mill/Fill						

Public Safety, Health and Welfare capital improvement investments supports the infrastructure, equipment and training necessary to provide effective emergency response services. The City of 12

Plainwell is a full service Public Safety department. All full-time Public Safety Officers are certified as police, fire and medical first responders. Typical projects include police and fire response vehicles and equipment needed to improve response time, working conditions, and safety for our employees and residents.

**PUBLIC SAFETY, HEALTH AND WELFARE SUMMARY**

<b>Project Title/Description</b>	<b>FY</b>	<b>CIP#</b>	<b>Priority</b>	<b>Total Cost</b>	<b>City Cost</b>	<b>Non-City Funds</b>
SCBA Compressor Fill Station	22-23	PS-22-02	Important	\$40,000	\$40,000	\$0
Body Cameras (8) w/software	22-23	PS-22-01	Important	\$34,766	\$19,000	\$11,000
SCBA Pack Replacement & Harness	23-24	PS-23-01	Important	\$150,000	\$150,000	TBD
River Rescue Boat - 16' Jon Boat w/30hp	25-26	PS-25-01	Important	\$30,000	\$30,000	0
Police and Fire Radio	26-27	PS-26-01	Important	\$150,000	TBD	TBD
Fire Truck Replacement	27-28	PS-27-01	Important	\$800,000	\$800,000	\$0

The City of Plainwell has 7 public parks ranging in size from a small roadside pull off of less than an acre, to over 29 acres. Overall park space encompasses 85 acres of land and 7.3% of the City's land use. The City is currently updating its 2016 Community Recreation Plan which includes additional information about the park system. Capital improvement recommendations within the Community Recreation Plan will be reviewed in concert with the City's Master Plan.

### PARKS AND OPEN SPACE SUMMARY

Project Title/Description	FY	CIP#	Priority	Total Cost	City Cost	Non-City Funds
River Restoration Project- Eng	22-23	P-22-01	Desirable	\$500,000	\$0	\$500,000
Brooks Plaza – Improvements	22-23	P-22-02	Moderate	\$15,000	\$5,000	\$10,000
Holiday Light Display(s) - downtown	22-23	P-22-03	Moderate	\$10,000	\$10,000	\$0
Playground Improvements/Surfacing, Etc. Sherwood Park	23-24	P-23-01	Desirable	\$20,000	\$20,000	\$0
Remove and replace narrow walkway, bench pad – Hicks Park	24-25	P-24-01	Desirable	\$10,000	\$10,000	\$0
Pave Lot -Cook Park	25-26	P-25-01	Moderate	\$51,100	\$51,100	\$0
Informational Signage - Riverwalk	25-26	P-25-02	Moderate	\$20,000	\$20,000	\$0
Brush Clearing – Kenyon	25-26	P-25-03	Moderate	\$25,000	\$25,000	\$0
Benches,/Trash Rec/Bike Rack – Kenyon Park	26-27	P-26-01	Desirable	\$10,000	\$10,000	\$0
Accessible Route to Watercraft Platform - Riverwalk						
Erosion Control – Hicks/City Hall						
New Hand Railings – Riverwalk						
*Accessible Play structure/New Surfacing – Thurl Cook Park						
Bury/Relocate Electric Lines – Study – Fannie Pell Park						
Remove & Relocate steep walk<5% (6' wide) Landscape Barrier to M89 – Hicks Park						
Playground (Access Route/Edge Restraint/Surfacing) –Hick Park						
Parking lot repair/access route to Gazebo – Fannie Pell Park						



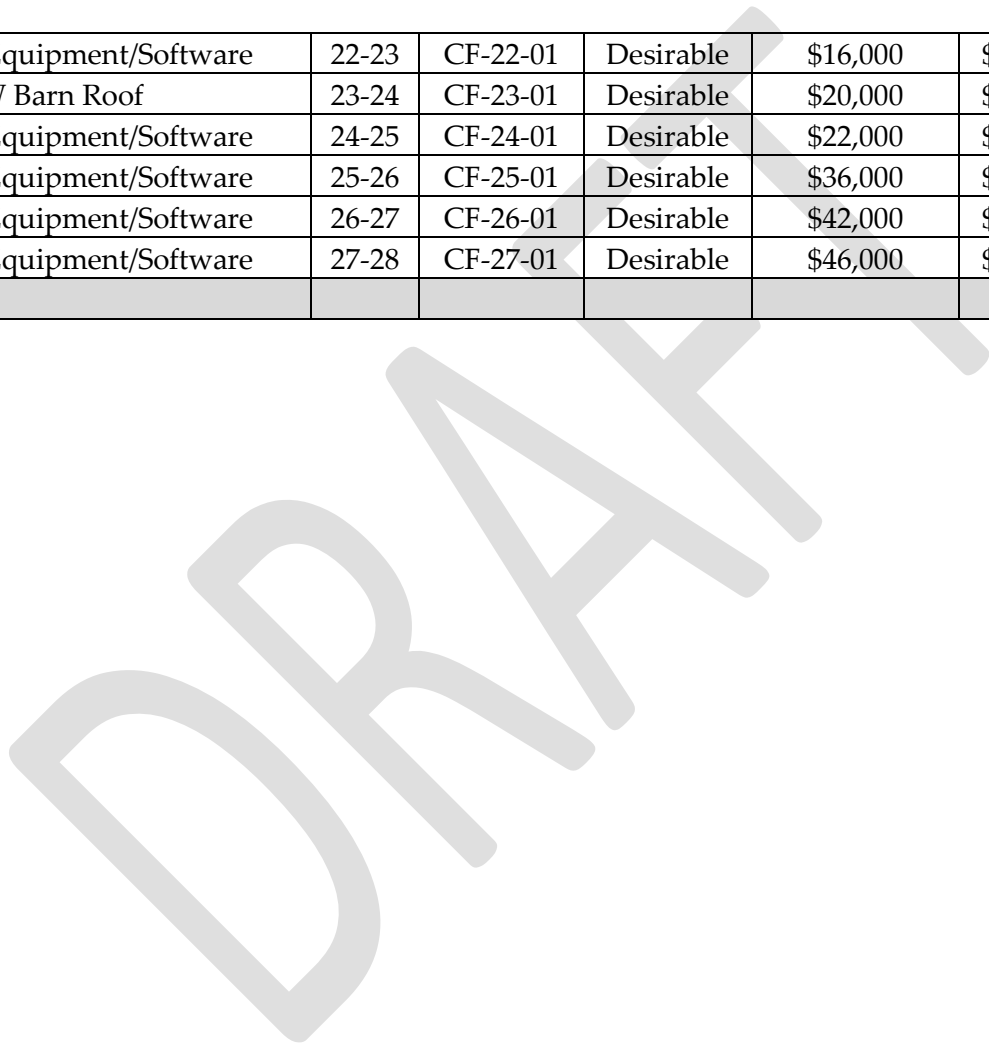
**PARKS AND OPEN SPACE SUMMARY**

<b>Project Title/Description</b>	<b>FY</b>	<b>CIP#</b>	<b>Priority</b>	<b>Total Cost</b>	<b>City Cost</b>	<b>Non-City Funds</b>
Bridge Resurface/New Railings On Trestle Bridge – Sherwood Park						
Extend Trail to Thurl Cook Park						
Screen "Backdoor" of Businesses (Fence/Landscape) -Riverwalk						
Band shell – Alternative Bathroom						
Benches,/Trash Rec/Bike Rack/swings – Hicks Park						
New Fishing Platform/Railings/Accessible Route, landscaping and amenities Riverwalk						
Add benches, trash bins, doggie waste bag - Riverwalk						
Playground Improvements/Surfacing, Etc. Sherwood Park						
Watercraft/Pedestrian Platform Darrow Park						
Installation of concrete path to fields – Kenyon Park						
Benches/Trash/Bike Rack						
Paved Parking Area - Kenyon						
Non-Motorized Trail – Thurl Cook						
Benches,/Trash Rec/Bike Rack/ Drinking Fountain – Thurl Cook						
Pedestrian walkway enhancements/extend accessible walk from Riverwalk to parking Sherwood Park						
Restroom Improvements- Cook						
Drainage Improvements - Cook						
Security Enhancements - Cook						
Extend Riverwalk to Library						
Designate/install watercraft landing – Sherwood Park						
Access Route (5' wide) – Thurl Cook Park						

The City of Plainwell owns and operates a number of facilities throughout the community. Typical 15 projects include, but are not limited to building (plus accessory structures) repairs, maintenance and/or demolition. Additionally, funding for community development planning costs such as the Master Plan, Recreation Plan, Tax Increment Finance Plan (TIFA), Downtown Development Authority Plan (DDA) and Brownfield Redevelopment Plan (BRA) are allocated in this category.

COMMUNITY FACILITIES & DEVELOPMENT SUMMARY						
Project Title/Description	FY	CIP#	Priority	Total Cost	City Cost	Non-City Funds

Computer Equipment/Software	22-23	CF-22-01	Desirable	\$16,000	\$16,000	\$0
Repair DPW Barn Roof	23-24	CF-23-01	Desirable	\$20,000	\$20,000	\$0
Computer Equipment/Software	24-25	CF-24-01	Desirable	\$22,000	\$22,000	\$0
Computer Equipment/Software	25-26	CF-25-01	Desirable	\$36,000	\$36,000	\$0
Computer Equipment/Software	26-27	CF-26-01	Desirable	\$42,000	\$42,000	\$0
Computer Equipment/Software	27-28	CF-27-01	Desirable	\$46,000	\$46,000	\$0



The Motor Pool and Equipment fund purchases vehicles and equipment that are then used by varies 16 departments within the City. The City establishes a rental rate which is paid by each department to that Motor Pool that utilizes the vehicle or and equipment. Typical investments are police and fire vehicles such as a fire truck or police cruiser or vehicles and ancillary equipment used for utility and transportation functions.

**MOTOR POOL & EQUIPMENT SUMMARY**

<b>Project Title/Description</b>	<b>FY</b>	<b>CIP#</b>	<b>Priority</b>	<b>Total Cost</b>	<b>City Cost</b>	<b>Non-City Funds</b>
Police Patrol Vehicle	23-24	MP-23-01	Important	\$42,000	\$42,000	\$0
Police Patrol Vehicle	24-25	MP-24-01	Important	\$46,000	\$46,000	\$0
Water Van	25-26	MP-25-01	Important	\$67,000	\$67,000	\$0
Police Patrol Vehicle	25-26	MP-25-02	Important	\$50,000	\$50,000	\$0
DPW Bucket Truck	25-26	MP-25-03	Important	\$150,000	\$150,000	\$0
Loader (used)	26-76	MP-26-01	Important	\$70,000	\$70,000	\$0
Police Patrol Vehicle	26-27	MP-26-02	Important	\$57,000	\$57,000	\$0
Police Patrol Vehicle	27-28	MP-27-01	Important	\$60,000	\$60,000	\$0

# ADDENDUM #1

DETAIL SHEET




**UTILITIES & INFRASTRUCTURE**



# DETAIL SHEET

18

<b>Project Title: Dystor Inflatable Cover/Replacement</b>		<b>Priority:</b> Important
Category: Utility and Infrastructure	Date of Assessment: 6-1-2022	
Assessment Prepared By: Bryan Pond, Water Renewal Superintendent	CIP#: UI-22-01	
Participating Fund(s): Sewer	Estimated Project Cost: \$318,000	
Available Fund(s) for Project: Cash	Estimated Start Date: Fall 2022	
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Installed in 2005 the cover has an expected lifetime of 15-20 yrs. City received a bid of \$400,000 on 5-26-22. Alternate bid lowered cost to \$318,000.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">83</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

19

**Project Title: Water Meter Replacement – City Wide Radio Read** **Priority:** Important

Category: Utility and Infrastructure Date of Assessment: 10/16/19

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-22-02

Participating Fund(s): Water Estimated Project Cost: \$655,540

Available Fund(s) for Project: \$655,540 Estimated Start Date: Fall 2022

Are any non-City (or potential) funds be used: ARPA Funds

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES: City Council

Description: Replacement of all meters city wide. Upgrade the meter reading system to radio reads. City Wide back flow prevention and asset management of distribution materials used in all buildings. Includes Lead and Copper inspections.

- Basis of Cost Estimate (Check):
- Cost of comparable facility/equipment
  - Rule of thumb indicator/unit cost
  - Ball park – educated guess
  - Engineer/architect cost estimate
  - Preliminary estimate




Is this project part of an Adopted Program, Policy and or Plan? No  If yes, identify:  
 20-year water plan - CIP

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	25
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	3
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">82</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

20

<b>Project Title: Water Dist. Materials Inventory</b>		<b>Priority:</b> Urgent
Category: Utility and Infrastructure (UI)		Date of Assessment: 10-20-21
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: UI-22-04
Participating Fund(s): Water		Estimated Project Cost: \$212,050
Available Fund(s) for Project: \$212,050		Estimated Start Date: Summer 2022-2023
Are any non-City (or potential) funds be used: Grant funding (EGLE) - \$212,050		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: CIP - Council		
Description: Creation of City-wide water materials inventory. Mandated for municipalities across the State.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	25
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">107</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

**Project Title: Engineering - Old Orchard Water/Sewer/Road Imp. Priority: Important**

Category: Utility and Infrastructure (UI) Date of Assessment: 11-16-21

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-22-06

Participating Fund(s): Water Estimated Project Cost: \$271,000

Available Fund(s) for Project: TBD Estimated Start Date: TBD

Are any non-City (or potential) funds be used: Pending

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES: CIP - Council

Description: Engineering and survey work for utility replacement in Old Orchard Neighborhood. The City has applied for grant funding, project start date is contingent on additional funding. Survey work has been completed.

- Basis of Cost Estimate (Check):
- Cost of comparable facility/equipment
  - Rule of thumb indicator/unit cost
  - Ball park – educated guess
  - Engineer/architect cost estimate
  - Preliminary estimate



Is this project part of an Adopted Program, Policy and or Plan? No  If yes, identify:  
 CIP

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

22

**Project Title: Old Orchard Neighborhood – Water Main Replacement** **Priority:** Important

Category: Utility and Infrastructure (UI) Date of Assessment: 11-16-21

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-23-01

Participating Fund(s): Water Estimated Project Cost: \$1,113,625

Available Fund(s) for Project: TBD Estimated Start Date: TBD

Are any non-City (or potential) funds be used: Pending

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES: CIP - Council

Description: Replacement of approximately 8,300 LFT of water main .

- Basis of Cost Estimate (Check):
- Cost of comparable facility/equipment
  - Rule of thumb indicator/unit cost
  - Ball park – educated guess
  - Engineer/architect cost estimate
  - Preliminary estimate



Is this project part of an Adopted Program, Policy and or Plan? No  If yes, identify:


CIP

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET


<b>Project Title: Old Orchard Neighborhood Sewer Main Extension</b>		<b>Priority:</b> Important
Category: Utility and Infrastructure (UI)		Date of Assessment: 11-16-22
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: UI-23-02
Participating Fund(s): Sewer		Estimated Project Cost: \$1,459,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: CIP - Council		
Description: Extension of sewer service to 48 residential units in Old Orchard Neighborhood.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

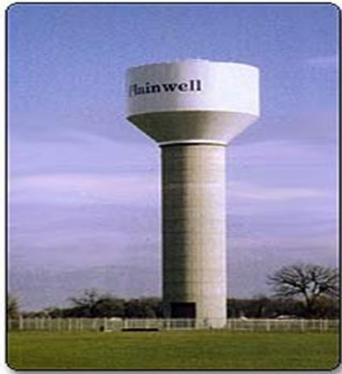
<b>Project Title: Digester Coating &amp; Covers Ext.</b>		<b>Priority:</b> Important
Category: Utility and Infrastructure	Date of Assessment: 10-17-19	
Assessment Prepared By: Bryan Pond, Water Renewal Superintendent		CIP#: UI-24-01
Participating Fund(s): Sewer	Estimated Project Cost: \$125,000	
Available Fund(s) for Project: Cash	Estimated Start Date: TBD	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: When the new covers were put on in 2005 the engineering plan did not include coating the interior of the tanks, leaks were treated at the time, new leaks have developed since then.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	25
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">93</span>
Low    Moderate    Desirable    Important    Urgent					
0-24    25-49    50-74    75-99    100-125					

# DETAIL SHEET

<b>Project Title: Water Tower Painting-Interior</b>		<b>Priority:</b> Important
Category: Utility and Infrastructure (UI)		Date of Assessment: 10-17-18
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: UI-24-02
Participating Fund(s): Water		Estimated Project Cost: \$240,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: No – possible bond proceeds, cash		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: <input checked="" type="checkbox"/>		
Description: Drain, clean and paint the interior of the water tower.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input checked="" type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">             20 Year Water Plan - CIP         </div>	<p>Photo/Map:</p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">83</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

**Project Title: Obsolete Water Tower Removal** **Priority:** Desirable

Category: Utility and Infrastructure (UI) Date of Assessment: 1-10-19

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-24-03


Participating Fund(s): Water Estimated Project Cost: \$85,000

Available Fund(s) for Project: \$0 Estimated Start Date: TBD

Are any non-City (or potential) funds be used: Potential bond project

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES:

Description: Demolition of former water tower. There is a lease in place for telecommunications that will need to be terminated or co-located prior to demolition.

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             CIP – estimated was acquired from another community’s construction cost (New Castle, Del.)         </div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">67</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

**Project Title: Water Tower Exterior Cleaning** **Priority:** Desirable

Category: Utility and Infrastructure (UI) Date of Assessment: 10-17-18

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-25-01

Participating Fund(s): Water Estimated Project Cost: \$10,000

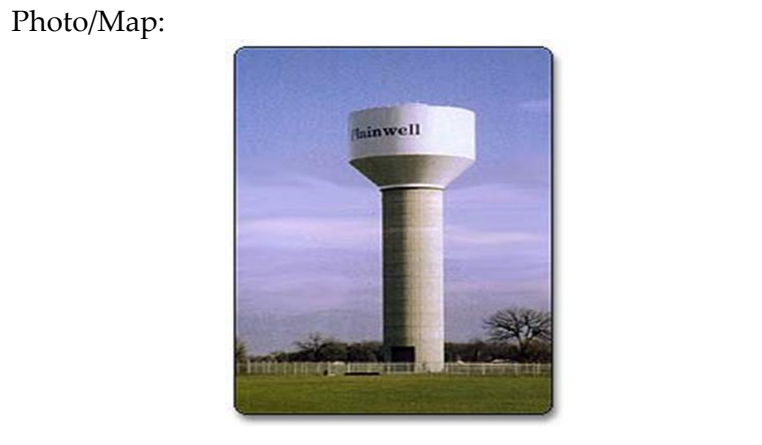
Available Fund(s) for Project: TBD Estimated Start Date: Fall 2025

Are any non-City (or potential) funds be used: No

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES:

Description: Power wash exterior of tower

- Basis of Cost Estimate (Check):
- Cost of comparable facility/equipment
  - Rule of thumb indicator/unit cost
  - Ball park – educated guess
  - Engineer/architect cost estimate
  - Preliminary estimate



Is this project part of an Adopted Program, Policy and or Plan? No  If yes, identify:  
 20 Year Water Plan - CIP

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	2
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	5
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 2px 10px;">59</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

**Project Title: Leak Detection** **Priority:** Desirable

Category: Utility and Infrastructure Date of Assessment: 10-16-18

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: UI-25-02


Participating Fund(s): Water Estimated Project Cost: \$10,000

Available Fund(s) for Project: Cash Estimated Start Date: Fall 2024

Are any non-City (or potential) funds be used: TBD

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES:

Description: Conduct city wide leak detection activities at a variety of locations to determine infrastructure improvements.

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input checked="" type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>CIP</p> </div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	6

<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">65</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

29

<b>Project Title: Replace Cushman St Lift Station</b>		<b>Priority:</b> Important
Category: Utility and Infrastructure (UI)	Date of Assessment: 10-16-18	
Assessment Prepared By: Bryan Pond, Water Renewal Superintendent		CIP#: UI-25-03
Participating Fund(s): Sewer	Estimated Project Cost: \$1,000,000	
Available Fund(s) for Project: TBD	Estimated Start Date: TBD	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Initial station was constructed in 1950's. In 1980 they built the new station on top of the old wet well from 1950's. Considerable engineering work needs to be completed before work/budget can be established.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">77</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					

# ADDENDUM #2

DETAIL SHEET



## TRANSPORTATION

# DETAIL SHEET

<b>Project Title: Bridge Concrete – W. Bridge &amp; N. Main</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 10-17-18
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-22-01
Participating Fund(s): Local/Major Streets		Estimated Project Cost: \$635,000
Available Fund(s) for Project: \$635,000		Estimated Start Date: 2023
Are any non-City (or potential) funds be used: \$587,000 – Grant Funding		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: City Council		
Description: Rehabilitation of concrete of both the W. Bridge and N. Main Street Bridges.		

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input checked="" type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b>	
Low	Moderate	Desirable	Important	Urgent		79
0-24	25-49	50-74	75-99	100-125		

# DETAIL SHEET

32

<b>Project Title: Old Orchard Paving</b>		<b>Priority:</b> Important
Category: Transportation	Date of Assessment: 10-17-18	
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-22-02
Participating Fund(s): Local Streets	Estimated Project Cost: \$325,000	
Available Fund(s) for Project: TBD	Estimated Start Date: TBD	
Are any non-City (or potential) funds be used: Pending grant funding		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 850 ton per engineer estimate. Project will need to be coordinated with water/sewer improvements.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input checked="" type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>CIP</p> </div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

33

<b>Project Title: Jersey Street</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 6-1-22
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-22-03
Participating Fund(s): Major Street		Estimated Project Cost: \$65,000
Available Fund(s) for Project: TBD		Estimated Start Date: Summer 2022
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 2,600 Lft. of asphalt. This project will be done with City staff.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b>	<b>79</b>
Low	Moderate	Desirable	Important	Urgent		
0-24	25-49	50-74	75-99	100-125		

# DETAIL SHEET

34

<b>Project Title: Walnut Wood</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 6-1-2022
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-22-04
Participating Fund(s): Local Street		Estimated Project Cost: \$57,000
Available Fund(s) for Project: TBD		Estimated Start Date: Summer 2022
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 1,500 Lft. of asphalt. This project will be done with City staff.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	
					79

# DETAIL SHEET

35

<b>Project Title: North/South Main St., crack sealing</b>		<b>Priority:</b> Important
Category: Transportation	Date of Assessment: 6-10-2022	
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-22-05
Participating Fund(s): Major Streets	Estimated Project Cost: \$40,000	
Available Fund(s) for Project: Major Street	Estimated Start Date: Summer/fall 2022	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Starr Road to N. Main railroad tracks – 46, 568 sq. ft		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

36

<b>Project Title: Acorn / Industrial</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 10-17-21
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-23-01
Participating Fund(s): TIFA		Estimated Project Cost: \$190,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: City has applied for a grant through EDA.		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 102,000 sq. ft.		

<p><b>Basis of Cost Estimate (Check):</b></p> <p><input type="checkbox"/> Cost of comparable facility/equipment</p> <p><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">CIP/TIFA Plan</div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	


79



# DETAIL SHEET

37

<b>Project Title: S. Sunset St.</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 2-19-19
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-23-02
Participating Fund(s): Local Streets		Estimated Project Cost: \$50,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Overlay and seal approximately 142,000 sq. ft. of pavement. Will need be coordinated with water/sewer upgrades.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b>
<div style="display: flex; justify-content: space-around; font-weight: bold; color: red;"> <span>Low</span> <span>Moderate</span> <span>Desirable</span> <span>Important</span> <span>Urgent</span> </div>					
<div style="display: flex; justify-content: space-around; font-weight: bold; color: red;"> <span>0-24</span> <span>25-49</span> <span>50-74</span> <span>75-99</span> <span>100-125</span> </div>					
					89



# DETAIL SHEET

38

<b>Project Title: Union Street</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 10-17-18
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-24-01
Participating Fund(s): TIFA		Estimated Project Cost: \$84,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES:		
Description: Mill and fill approximately 102,000 sq. ft.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10


<b>Priority Points Earned</b>					<b>Total Project Score:</b>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

79

# DETAIL SHEET

39

<b>Project Title: 1<sup>st</sup> &amp; 2<sup>nd</sup> Avenue</b>		<b>Priority:</b> Important
Category: Transportation		Date of Assessment: 10-17-18
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#:
Participating Fund(s): TIFA		Estimated Project Cost: \$87,000
Available Fund(s) for Project: TBD		Estimated Start Date:
Are any non-City (or potential) funds be used:		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES:		
Description: Mill and fill approximately 2,569 Lf. ft.		

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">79</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					

# DETAIL SHEET

40

**Project Title: Roberts, Orchard and Forbes** **Priority:** Important

Category: Transportation Date of Assessment: 5-22-19

Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent CIP#: T-24-01

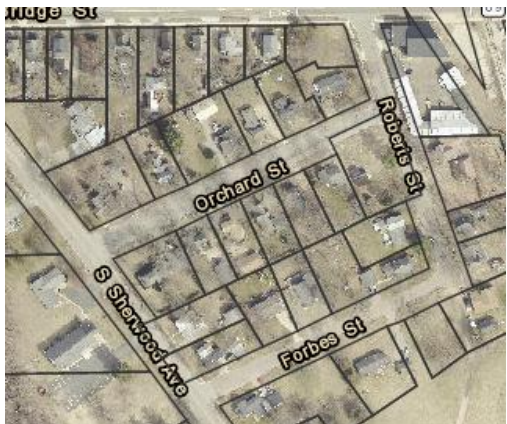
Participating Fund(s): Local Streets Estimated Project Cost: \$64,000

Available Fund(s) for Project: TBD Estimated Start Date: TBD

Are any non-City (or potential) funds be used: TBD

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES:

Description: Mill and fill approximately 1, 540 Lf. ft.

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10

<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">75</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

41

<b>Project Title: West Grant</b>		<b>Priority: Important</b>
Category: Transportation		Date of Assessment: 5-22-19
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-24-01
Participating Fund(s): Local Streets		Estimated Project Cost: \$99,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 57,000 sq. ft.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					
					89



# DETAIL SHEET

42

<b>Project Title: Kenwood St.</b>		<b>Priority:</b> Desirable
Category: Transportation		Date of Assessment: 2-19-19
Assessment Prepared By: Robert Nieuwenhuis, DPW Superintendent		CIP#: T-23-02
Participating Fund(s): Local Streets		Estimated Project Cost: \$88,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Mill and fill approximately 526 LF. Pavement.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input checked="" type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 20px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 15px;">71</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					



# ADDENDUM #3

DETAIL SHEET


**PUBLIC SAFETY, HEALTH &  
WELFARE**



# DETAIL SHEET

44

<b>Project Title:</b> DPS SCBA Compressor Fill Station		<b>Priority:</b> Important
Category: Public Safety - Fire		Date of Assessment: 2021
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: PS-22-02
Participating Fund(s): Fire Reserve		Estimated Project Cost: \$40,000
Available Fund(s) for Project: \$40,000		Estimated Start Date: Spring 2022
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES: City Council		
Description: City Council approved this expenditure in FY 22, however delivery is anticipated in FY 22-23. In-house air fill station for SCBA.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">CIP</div>	<p>Photo/Map:</p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

45

<b>Project Title: Public Safety Body Cameras</b>		<b>Priority:</b> Important
Category: Public Safety - Police		Date of Assessment: 6-1-2022
Assessment Prepared By: John Varley, Deputy Public Safety Director		CIP#: PS-22-01
Participating Fund(s): General Fund		Estimated Project Cost: \$34,766
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2022
Are any non-City (or potential) funds be used: Grant funds \$11,000		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Description: Costs would be spread over a 5 year contract.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">CIP</div>	<p>Photo/Map:</p> <div style="text-align: center;">  <p><b>AXON BODY 3</b></p> </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">75</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

46

<b>Project Title: SCBA Pack Replacement &amp; Harness</b>		<b>Priority:</b> Important
Category: Public Safety - Fire		Date of Assessment: 6-1-2021
Assessment Prepared By: Bill Bomar		CIP#: PS-23-01
Participating Fund(s): Capital/Fire Reserve/General Fund		Estimated Project Cost: \$150,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2023
Are any non-City (or potential) funds be used: Potentially Future FEMA AFG application		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Replace firefighting breathing apparatus for existing personnel (20).		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
---	---

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">89</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

47

<b>Project Title: DPS Water Rescue Boat</b>		<b>Priority:</b> Important
Category: Public Safety - Fire		Date of Assessment: October 2020
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: PS-25-01
Participating Fund(s): Fire Reserve		Estimated Project Cost: \$30,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: possible USDA with city matching funds		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: <input checked="" type="checkbox"/>		
Description: Description: 16' Rescue One Connector Boat, Aluminum Trailer, Mercury 60/40 Horse Power Jet Drive, 4 Rescue Dry Suits, 4 Life jackets.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>CIP</p> </div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">91</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

48

<b>Project Title: Police and Fire Radio</b>		<b>Priority:</b> Important
Category: Public Safety - Fire		Date of Assessment: June 2022
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: PS-26-01
Participating Fund(s): Fire Reserve		Estimated Project Cost: \$26,000 - \$182,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: possible USDA with city matching funds		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: <input checked="" type="checkbox"/>		
Description: Description: Anticipation of existing radio replacement of 26 department-wide units. Currently we do not have information regarding full replacement or re-built options.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul>	<p>Photo/Map:</p> <div style="text-align: center;">  </div>
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>CIP</p> </div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">91</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					

# DETAIL SHEET

49

<b>Project Title: Fire Truck</b>		<b>Priority:</b> Important
Category: Public Safety - Fire		Date of Assessment: 6-1-2020
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: PS-27-01
Participating Fund(s): Fire Reserve		Estimated Project Cost: \$800,000
Available Fund(s) for Project: TBD		Estimated Start Date: TBD
Are any non-City (or potential) funds be used: possible USDA with city matching funds		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Description: Fire truck replacement.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
---	---

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">91</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# ADDENDUM #4

DETAIL SHEET

## PARKS & OPEN SPACES

# DETAIL SHEET

51

**Project Title:** River Restoration Project - Engineering **Priority:** Desirable

Category: Parks and Open Spaces Date of Assessment: 2-15-19

Assessment Prepared By: Erik J. Wilson, City Manager CIP#: P-22-01

Participating Fund(s): General Estimated Project Cost: \$500,000

Available Fund(s) for Project: \$500,000 Estimated Start Date: Spring 2022

Are any non-City (or potential) funds be used: \$500,000 National Oceanic and Atmosphere and Admin

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES: Council approval

Description: This project would replace the Plainwell #2 Dam with a structure that would hold the upstream pool elevation but allow for fish and recreational passage. Concrete at headworks would be replaced as well.

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input checked="" type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p><b>Photo/Map:</b></p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	2

<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">63</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

52

<b>Project Title: Brooks Plaza</b>		<b>Priority:</b> Moderate
Category: Parks and Open Space		Date of Assessment: 4/30/21
Assessment Prepared By: Denise Siegel, Community Development Manager		CIP#: P-22-02
Participating Fund(s): Capital		Estimated Project Cost: \$15,000
Available Fund(s) for Project: \$15,000		Estimated Start Date: Fall 2022
Are any non-City (or potential) funds be used: \$10,000 – Arts Council Donation		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Re-naming plaza in honor of former Mayor Richard Brooks. Project includes signage and art installation.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Photo/Map:</p> 
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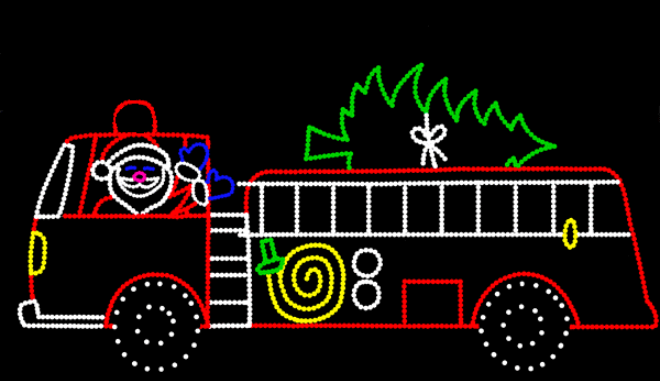
NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">37</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

53

<b>Project Title: Holiday Light Display(s)</b>		<b>Priority:</b> Moderate
Category: Parks and Open Space	Date of Assessment: 6-1-2022	
Assessment Prepared By: Erik J. Wilson, City Manager		CIP#: P-22-03
Participating Fund(s): DDA	Estimated Project Cost: \$10,000	
Available Fund(s) for Project: \$10,000	Estimated Start Date: Winter 2022	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: DDA Budget		
Description: Additional lighting display for downtown.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;">CIP</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	10
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">45</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

54

<b>Project Title: Sherwood Park Playground Equipment</b>		<b>Priority:</b> Desirable
Category: Playground Improvements		Date of Assessment: 4/30/19
Assessment Prepared By: Denise Siegel, Community Development Manager		CIP#: P-23-01
Participating Fund(s): General		Estimated Project Cost: \$20,000
Available Fund(s) for Project: TBD		Estimated Start Date: August 2023
Are any non-City (or potential) funds be used: TBD		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Resurface playground areas and upgrades to the playground equipment		


<p><b>Basis of Cost Estimate (Check):</b></p> <p><input type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input checked="" type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <p style="border: 1px solid black; padding: 5px;">Community Recreation Plan</p>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	25
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	6
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">72</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

55

<b>Project Title:</b> Hicks Park – replace bench & pad		<b>Priority:</b> Desirable
Category: Parks and Open Space		Date of Assessment: 4/30/19
Assessment Prepared By: Denise Siegel, Community Development Manager		CIP#: P-24-01
Participating Fund(s): Capital		Estimated Project Cost: \$10,000
Available Fund(s) for Project:		Estimated Start Date: May 2024
Are any non-City (or potential) funds be used: Possible local grants		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Replace narrow walk way in Hicks Park along with the bench – pad.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input checked="" type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Community Recreation Plan</p> </div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px 20px;">73</span>
<div style="display: flex; justify-content: space-around; font-weight: bold; color: red;"> <span>Low</span> <span>Moderate</span> <span>Desirable</span> <span>Important</span> <span>Urgent</span> </div>					
<div style="display: flex; justify-content: space-around; font-weight: bold; color: red;"> <span>0-24</span> <span>25-49</span> <span>50-74</span> <span>75-99</span> <span>100-125</span> </div>					

# DETAIL SHEET

56

**Project Title: Pave Lot – Cook Park** **Priority:** Moderate

Category: Parks and Open Space Summary Date of Assessment: 4/30/19

Assessment Prepared By: Denise Siegel, Community Development Manager CIP#: P-25-01

Participating Fund(s): General Estimated Project Cost: \$50,100

Available Fund(s) for Project: TBD Estimated Start Date: May 2022

Are any non-City (or potential) funds be used: TBD

Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO:  YES:

Description: Pave parking lot at Cook Park

- Basis of Cost Estimate (Check):
- Cost of comparable facility/equipment
  - Rule of thumb indicator/unit cost
  - Ball park – educated guess
  - Engineer/architect cost estimate
  - Preliminary estimate



Is this project part of an Adopted Program, Policy and or Plan? No  If yes, identify:  
 Community Recreation Plan


NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	2
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">45</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

57

<b>Project Title: Informational Signage - Riverwalk</b>		<b>Priority:</b> Moderate
Category: Parks and Open Space	Date of Assessment: 4/30/19	
Assessment Prepared By: Denise Siegel, Community Development Manager		CIP#: P-25-00
Participating Fund(s): General	Estimated Project Cost: \$20,000	
Available Fund(s) for Project: TBD	Estimated Start Date: TBD	
Are any non-City (or potential) funds be used: Possible –some local grants.		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Informational Signage along the Riverwalk		

<p><b>Basis of Cost Estimate (Check):</b></p> <p><input type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input checked="" type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Community Recreation Plan</p> </div>	


NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	2
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	2
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">45</span>
<div style="display: flex; justify-content: space-between; font-weight: bold; color: #c00;"> <span>Low</span> <span>Moderate</span> <span>Desirable</span> <span>Important</span> <span>Urgent</span> </div>					
<div style="display: flex; justify-content: space-between; font-weight: bold; color: #c00;"> <span>0-24</span> <span>25-49</span> <span>50-74</span> <span>75-99</span> <span>100-125</span> </div>					



# DETAIL SHEET

58

<b>Project Title: Kenyon Park – Brush Clearing</b>		<b>Priority:</b> Moderate
Category: Parks and Open Space	Date of Assessment: 4/30/19	
Assessment Prepared By: Denise Siegel, Community Development Manager		CIP#: P-25-03
Participating Fund(s):	Estimated Project Cost: \$20,000	
Available Fund(s) for Project:	Estimated Start Date:	
Are any non-City (or potential) funds be used:		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES:		
Description: Clear 8 acres of underdeveloped area in Kenyon Park		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">Community Recreation Plan</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	3
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	2
Project delivers high level of service	2	High	Medium	Low	2
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">46</span>
Low    Moderate    Desirable    Important    Urgent					
0-24    25-49    50-74    75-99    100-125					

# DETAIL SHEET

59

**Project Title: Kenyon Park – Trash Receptacle/Bike Rack** **Priority:** Desirable

Category: Parks and Open Spaces	Date of Assessment: 4/30/19
Assessment Prepared By: Erik Wilson, City Manager	CIP#: P-26-01
Participating Fund(s): General	Estimated Project Cost: \$10,000
Available Fund(s) for Project: TBD	Estimated Start Date: TBD
Are any non-City (or potential) funds be used: TBD	
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:	
Description: Install new benches, trash receptacles and bike rack at Kenyon Park	

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">Community Recreation Plan</div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	20
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	3
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	6
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">57</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# ADDENDUM #5

DETAIL SHEET




**COMMUNITY FACILITIES &  
DEVELOPMENT**

# DETAIL SHEET

61

<b>Project Title:</b> Computer Equipment		<b>Priority:</b> Desirable
Category: Community Facilities		Date of Assessment: 6-1-2022
Assessment Prepared By: Brian Kelley, Treasurer		CIP#: CF-22-01
Participating Fund(s): Multiple Funds		Estimated Project Cost: \$16,000
Available Fund(s) for Project: \$16,000		Estimated Start Date: Fall 2022
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Computer upgrades per IT recommendation.		


<p><b>Basis of Cost Estimate (Check):</b></p> <p><input checked="" type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>No</p> </div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">51</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

62

<b>Project Title: Roof Repair – Second Barn</b>		<b>Priority:</b> Desirable
Category: Community Facilities	Date of Assessment: 5-10-19	
Assessment Prepared By: Bob Nieuwenhuis, DPW Superintendent		CIP#: CF-23-01
Participating Fund(s): Capital Fund	Estimated Project Cost: \$25,000	
Available Fund(s) for Project: TBD	Estimated Start Date: Summer 2023	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Repair roof on second barn.		

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 30px;"> <p>No</p> </div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">51</span>
<div style="display: flex; justify-content: space-between; font-weight: bold; color: red;"> <span>Low</span> <span>Moderate</span> <span>Desirable</span> <span>Important</span> <span>Urgent</span> </div>					
<div style="display: flex; justify-content: space-between; font-weight: bold; color: red;"> <span>0-24</span> <span>25-49</span> <span>50-74</span> <span>75-99</span> <span>100-125</span> </div>					



# DETAIL SHEET

63

<b>Project Title:</b> Computer Equipment		<b>Priority:</b> Desirable
Category: Community Facilities		Date of Assessment: 6-1-2022
Assessment Prepared By: Brian Kelley, Treasurer		CIP#: CF-24-01
Participating Fund(s): Multiple Funds		Estimated Project Cost: \$22,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2024
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Computer upgrades per IT recommendation.		


<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input checked="" type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p style="margin: 0;">No</p> </div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">51</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

64

<b>Project Title:</b> Computer Equipment		<b>Priority:</b> Desirable
Category: Community Facilities		Date of Assessment: 6-1-2022
Assessment Prepared By: Brian Kelley, Treasurer		CIP#: CF-25-01
Participating Fund(s): Multiple Funds		Estimated Project Cost: \$36,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2025
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Computer upgrades per IT recommendation.		


<p><b>Basis of Cost Estimate (Check):</b></p> <p><input type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input checked="" type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>No</p> </div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">51</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

65

<b>Project Title:</b> Computer Equipment		<b>Priority:</b> Desirable
Category: Community Facilities	Date of Assessment: 6-1-2022	
Assessment Prepared By: Brian Kelley, Treasurer	CIP#: CF-26-01	
Participating Fund(s): Multiple Funds	Estimated Project Cost: \$42,000	
Available Fund(s) for Project: TBD	Estimated Start Date: Fall 2022	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Computer upgrades per IT recommendation.		

<p><b>Basis of Cost Estimate (Check):</b></p> <p><input type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input checked="" type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> 
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> <p>No</p> </div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	5
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	2
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">51</span>
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	


**ADDENDUM #6**  
DETAIL SHEET

**MOTOR POOL & EQUIPMENT**

# DETAIL SHEET

67

<b>Project Title: DPS Patrol Vehicle</b>		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment: 6-1-2022
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-23-01
Participating Fund(s): Equipment		Estimated Project Cost: \$42,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2023
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: this purchase will replace oldest patrol vehicle in Fleet.		

<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             Try to replace patrol vehicles when they reach 5 years and over 100,000.         </div>	<p><b>Photo/Map:</b></p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					



# DETAIL SHEET

68

<b>Project Title: DPS Patrol Vehicle</b>		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment: 6-1-2022
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-24-01
Participating Fund(s): Equipment		Estimated Project Cost: \$46,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2024
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: this purchase will replace oldest patrol vehicle in Fleet.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             Try to replace patrol vehicles when they reach 5 years and over 100,000.         </div>	<p>Photo/Map:</p> <div style="text-align: center; margin-top: 20px;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					
Low    Moderate    Desirable    Important    Urgent 0-24    25-49    50-74    75-99    100-125					
<b>Total Project Score:</b>					79

# DETAIL SHEET

69

<b>Project Title: DPW Pick Up Truck</b>		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment: 6-1-2022
Assessment Prepared By: Bob Nieuwenhuis, DPW Superintendent		CIP#: MP-25-01
Participating Fund(s): Equipment		Estimated Project Cost: \$67,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2025
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input type="checkbox"/> YES: <input checked="" type="checkbox"/>		
Description: Replace existing water van.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input checked="" type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Photo/Map:</p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	25
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	4
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	9
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">85</span>
Low    Moderate    Desirable    Important    Urgent					
0-24    25-49    50-74    75-99    100-125					

# DETAIL SHEET

70

<b>Project Title: DPS Patrol Vehicle</b>		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment: 6-1-2022
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-25-02
Participating Fund(s): Equipment		Estimated Project Cost: \$50,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2025
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: this purchase will replace oldest patrol vehicle in Fleet.		


<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             Try to replace patrol vehicles when they reach 5 years and over 100,000.         </div>	<p><b>Photo/Map:</b></p> <div style="text-align: center;">  </div>
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
Low      Moderate      Desirable      Important      Urgent					
0-24      25-49      50-74      75-99      100-125					

# DETAIL SHEET

71

<b>Project Title:</b> DPS Patrol Vehicle		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment:
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-25-03
Participating Fund(s): Equipment		Estimated Project Cost: \$150,000
Available Fund(s) for Project: TBD		Estimated Start Date: Fall 2025
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Replacement of existing bucket truck.		


<p><b>Basis of Cost Estimate (Check):</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             Try to replace patrol vehicles when they reach 5 years and over 100,000 miles.         </div>	<p><b>Photo/Map:</b></p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					
Low	Moderate	Desirable	Important	Urgent	
0-24	25-49	50-74	75-99	100-125	
<b>Total Project Score:</b>					79

# DETAIL SHEET

72

<b>Project Title: Loader (used)</b>		<b>Priority:</b> Important
Category: Motor Pool	Date of Assessment: 4-12-19	
Assessment Prepared By: Bob Nieuwenhuis, DPW Superintendent		CIP#: MP-26-01
Participating Fund(s): Equipment	Estimated Project Cost: \$70,000	
Available Fund(s) for Project: TBD	Estimated Start Date: Fall 2026	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: Seek to purchase used loader. Estimates for new is \$340,000. This piece of equipment is used for leaf pick up, snow removal and other essential operations.		

<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Photo/Map:</p> 
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NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	6
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	10
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px;">79</span>
<b>Low</b>	<b>Moderate</b>	<b>Desirable</b>	<b>Important</b>	<b>Urgent</b>	
0-24	25-49	50-74	75-99	100-125	



# DETAIL SHEET

73

<b>Project Title:</b> DPS Patrol Vehicle		<b>Priority:</b> Important
Category: Motor Pool	Date of Assessment: 3-15-19	
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-26-02
Participating Fund(s): Equipment	Estimated Project Cost: \$57,000	
Available Fund(s) for Project: TBD	Estimated Start Date: 10-01-2021	
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: this purchase will replace oldest patrol vehicle in fleet.		


<p>Basis of Cost Estimate (Check):</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Cost of comparable facility/equipment</li> <li><input type="checkbox"/> Rule of thumb indicator/unit cost</li> <li><input type="checkbox"/> Ball park – educated guess</li> <li><input type="checkbox"/> Engineer/architect cost estimate</li> <li><input type="checkbox"/> Preliminary estimate</li> </ul> <p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Try to replace patrol vehicles when they reach 5 years and over 100,000 miles.</p> </div>	<p>Photo/Map:</p> <div style="text-align: center;">  </div>
---	--

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	Score
Contributes to health, safety & welfare	5	Removes hazard	Material contributes	Minimal	15
Needed to comply with local, state or federal law	5	Yes	-	No	5
Project conforms to adopted program, policy or plan	4	Adopted Council plan	Consistent with Admin. policy	No policy	12
Project remediates an existing or projected deficiency	3	Complete remedy	Significant remedy	Minimal remedy	15
Contributes to the long term needs of the community	2	20+ Years	10-19 Years	Less than 10	10
Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b>
Low	Moderate	Desirable	Important	Urgent	79
0-24	25-49	50-74	75-99	100-125	

# DETAIL SHEET

74

<b>Project Title: DPS Patrol Vehicle</b>		<b>Priority:</b> Important
Category: Motor Pool		Date of Assessment: 3-15-19
Assessment Prepared By: Bill Bomar, Public Safety Director		CIP#: MP-27-01
Participating Fund(s): Equipment		Estimated Project Cost: \$60,000
Available Fund(s) for Project: TBD		Estimated Start Date: 10/01/2023
Are any non-City (or potential) funds be used: No		
Prior Approval- Is project included in either the current/prior year adopted budget and if so, who has approved (Board/Council, etc): NO: <input checked="" type="checkbox"/> YES:		
Description: this purchase will replace oldest patrol vehicle in Fleet.		

<p><b>Basis of Cost Estimate (Check):</b></p> <p><input checked="" type="checkbox"/> Cost of comparable facility/equipment</p> <p><input type="checkbox"/> Rule of thumb indicator/unit cost</p> <p><input type="checkbox"/> Ball park – educated guess</p> <p><input type="checkbox"/> Engineer/architect cost estimate</p> <p><input type="checkbox"/> Preliminary estimate</p>	<p><b>Photo/Map:</b></p> <div style="text-align: center;">  </div>
<p>Is this project part of an Adopted Program, Policy and or Plan? No <input type="checkbox"/> If yes, identify:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Try to replace patrol vehicles when they reach 5 years and over 100,000 miles.</p> </div>	

NEEDS ASSESSMENT SCORING CRITERIA		Category			Score
(Multiply Weight x Category Pts. for Total Score)	Weight	5 Points	3 Points	1 Point	
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Service area of project	2	Regional	City-Wide	Neighborhood	6
Department Priority	2	High	Medium	Low	6
Project delivers high level of service	2	High	Medium	Low	10
<b>Priority Points Earned</b>					<b>Total Project Score:</b> <span style="border: 1px solid black; padding: 5px; font-size: 1.2em;">79</span>
<span style="color: red;">Low</span> <span style="color: red;">Moderate</span> <span style="color: red;">Desirable</span> <span style="color: red;">Important</span> <span style="color: red;">Urgent</span>					
<span style="color: red;">0-24</span> <span style="color: red;">25-49</span> <span style="color: red;">50-74</span> <span style="color: red;">75-99</span> <span style="color: red;">100-125</span>					

**(END)**

DRAFT

# City of Plainwell

## Resolution 2022-11

**WHEREAS**, the Plainwell City Council has reviewed the various fees and fines currently levied by the City; **IT IS, HEREBY, RESOLVED THAT effective July 1, 2022 the following fees and fines shall be in effect:**

Basic Reports (UD10) (NFRS 1)	\$5.00 per request
Other Reports	Based on Search and Copy Time
Pre-liminary Alcohol Breath Test	\$10.00 per request
Bail / Bond Administration Fee	\$10.00 per request
Fingerprints <b>(Ink only)</b>	\$10.00 per request
Sex Offender Registration Fee	per current rate levied by the State of Michigan
Car wash turn on fee	\$15.00 per request
Street Opening Permit	\$15.00 per request
Parking Permit	\$25.00 per request

**Subpoena and/or Witness Compensation:**

½ Day	\$12.50
Full Day	\$25.00

**Parking Fines:**

Lots	\$10.00 per violation
Prohibited	\$10.00 per violation
Wrong Side	\$10.00 per violation
Double	\$10.00 per violation
30' Stop Sign	\$10.00 per violation
15' Hydrant	\$15.00 per violation
On Street - 2 - 5 am	\$10.00 per violation
Other:	\$10.00 per violation

**Parking Fines shall triple if fine not paid within ten (10) calendar days.**

**Door-Door Sales:**

less than 1 month	\$20.00 per week
one month	\$50.00 per application
three months	\$100.00 per application
six months	\$175.00 per application
annual	\$350.00 per application

**Returned Payment Fee (check/ACH/credit card)** \$20.00 per payment

**Vehicle Mileage Reimbursement** per current IRS issued rate

**Notary Services**

Residents No charge  
Non-residents \$5.00 per stamp/seal

**Copies**

CD's or DVD's \$0.25 per page  
\$40.00  
Digital Photos \$5.00 (3 x 5) or \$10.00 (8 x 10)

**Faxed/Mailed Information Request**

\$1.00 per page

**Marriages:**

\$25.00

**Applications:**

Zoning Permit Application \$5.00 per application  
Act 198 Applications \$300.00 per application  
Re-zoning Application \$200.00 per application  
Variance Application \$100.00 per application  
Special Use Application \$100.00 per application

**Site Plan Review:**

Change of Use \$20.00 per review  
Minor Review \$50.00 per review  
Major Review \$50.00 plus cost of staff and consults per review  
ZBA Appeals \$100.00 per application

**Meter Fees**

Based on meter size plus setup  
¾" per vendor pricing at time of purchase  
1" per vendor pricing at time of purchase  
1 ½" per vendor pricing at time of purchase  
2" per vendor pricing at time of purchase

**IPP Fees**

As Set by Ordinance #274 to be charged annually  
Permit Fees \$700.00 Significant Industrial Users  
\$350.00 Non-significant Users

All other fees and costs will be handled in accordance with the Freedom of Information Act Policy as adopted by the City of Plainwell.

YES:

NO:

ABSENT:

Resolution Declared Adopted – June 27, 2022

\_\_\_\_\_  
Margaret Fenger, City Clerk



**CERTIFICATE:**

**I the undersigned being the duly qualified Clerk of the City of Plainwell, Allegan County Michigan, do hereby certify that the foregoing is a true and complete copy of a Resolution adopted by the City Council of the City of Plainwell, Michigan, at a regular meeting of the City Council held on the 27<sup>th</sup> day of June 2022.**

---

**Margaret Fenger, City Clerk**

DRAFT

# 2022-2023 Budget Highlights



## CITY COUNCIL:

Mayor, Brad Keeler

Mayor Pro-Tem, Lori Steele

Council Member – Todd Overhuel

Council Member – Roger Keeney

Council Member – Randy Wisnaski



**THE ISLAND CITY**

**JUNE 27, 2022**

# Summary – All Funds



## 2022-2023 Budget

“The Island City”

Fund	2022 - 2023	2022 - 2023	2022 - 2023	Estimated Cash	%
	Total Revenue	Total Expenditures	Revenues/Under Expenditures	Balance as of 6/30/2023	
General	\$ 3,115,265	\$ 3,215,392	\$ (100,127)	\$ 393,848	12%
Major Street	\$ 1,001,430	\$ 967,238	\$ 34,192	\$ 261,355	27%
Local Street	\$ 275,905	\$ 544,615	\$ (268,710)	\$ 85,866	16%
Solid Waste Removal	\$ 200,776	\$ 226,638	\$ (25,862)	\$ 8,467	4%
BRA	\$ 131,101	\$ 189,884	\$ (58,783)	\$ 34,491	18%
TIFA	\$ 82,499	\$ 69,005	\$ 13,494	\$ 137,128	199%
DDA	\$ 72,446	\$ 74,395	\$ (1,949)	\$ 89,800	121%
ARPA Stimulus	\$ 199,167	\$ 398,591	\$ (199,424)	\$ -	
Revolving Loan	\$ 13,032	\$ 10,000	\$ 3,032	\$ 13,598	136%
Capital Improvement	\$ 106,345	\$ 110,869	\$ (4,524)	\$ 44,877	40%
Fire Reserve	\$ 96,013	\$ 77,819	\$ 18,194	\$ 76,278	98%
Airport	\$ 81,383	\$ 80,749	\$ 634	\$ 36,775	46%
Sewer	\$ 1,400,929	\$ 1,543,192	\$ (142,263)	\$ 975,324	63%
Water	\$ 1,157,589	\$ 1,278,382	\$ (120,793)	\$ 120,932	9%
Motor Pool (Equipment)	\$ 262,200	\$ 297,887	\$ (35,687)	\$ 115	0%
OPEB	\$ 44,474	\$ 48,725	\$ (4,251)	\$ 71,682	147%
	<b>\$ 8,240,554</b>	<b>\$ 9,133,381</b>	<b>\$ (892,827)</b>	<b>\$ 2,350,535</b>	



# FY 2022-2023 Capital Expenditure Summary – All Funds



Project Title	FY	CIP #	Priority	Total Cost	City Cost	Non-City Funds
Dystor Cover/Replacement	22-23	UI-22-01	Important	\$318,000	\$318,000	\$0
Water Meter Replacement - Radio Read City-wide (Initial)	22-23	UI-22-02	Important	\$655,540	\$655,540	\$0
Water Dist. Materials Inventory	22-24	UI-22-04	Urgent	\$212,050	\$0	\$212,050
W. Bridge Street-N. Main Bridge Rehabilitation	22-24	T-22-01	Important	\$558,410	\$27,921	\$586,331
Old Orchard Neighborhood-Roads (water/sewer dependent)	22-24	T-22-02	Important	\$325,000	\$325,000	\$0
Jersey Street	22-23	T-22-03	Important	\$40,000	\$65,000	\$0
Walnut Woods	22-23	T-22-04	Important	\$25,000	\$57,000	\$0
North-South Main Crack Sealing	22-23	T-22-05	Important	\$38,000	\$38,000	\$0
Body Cameras (8) w/software	22-23	PS-22-01	Important	\$34,766	\$19,000	\$23,766
River Restoration Project- Eng	22-23	P-22-01	Desirable	\$500,000	\$0	\$500,000
Brooks Plaza – Improvements	22-23	P-22-02	Moderate	\$15,000	\$5,000	\$10,000
Holiday Light Display(s) - downtown	22-23	P-22-03	Moderate	\$10,000	\$10,000	\$0
Computer Equipment/Software	22-23	CF-22-01	Desirable	\$16,000	\$16,000	\$0

Totals:      \$2,618,816      \$1,279,000      \$1,320,050



# Taxable Value, IFT, Non-Homestead and Proposed Millage Rate

## TAXABLE VALUE

2020-2021	2021-2022	Estimated 2022-2023
-----------	-----------	------------------------

Taxable Value - Ad Valorem Roll (all real and

personal): \$ 89,267,076 \$ 92,330,544 \$ 96,409,524

Taxable Value - IFT Roll: \$ 2,773,660 \$ 2,930,125 \$ 2,850,477

Total Taxable Value: \$ 92,040,736 \$ 95,260,669 \$ 99,260,001

Non-Homestead: \$ 34,061,833 \$ 35,436,440 \$ 36,403,588

## MILLAGE

2020-2021	2021-2022	Proposed 2022-2023
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General Fund Operating: 12.5162 12.4421 12.2890

Capital Improvement: 1.0000 1.0000 1.0000

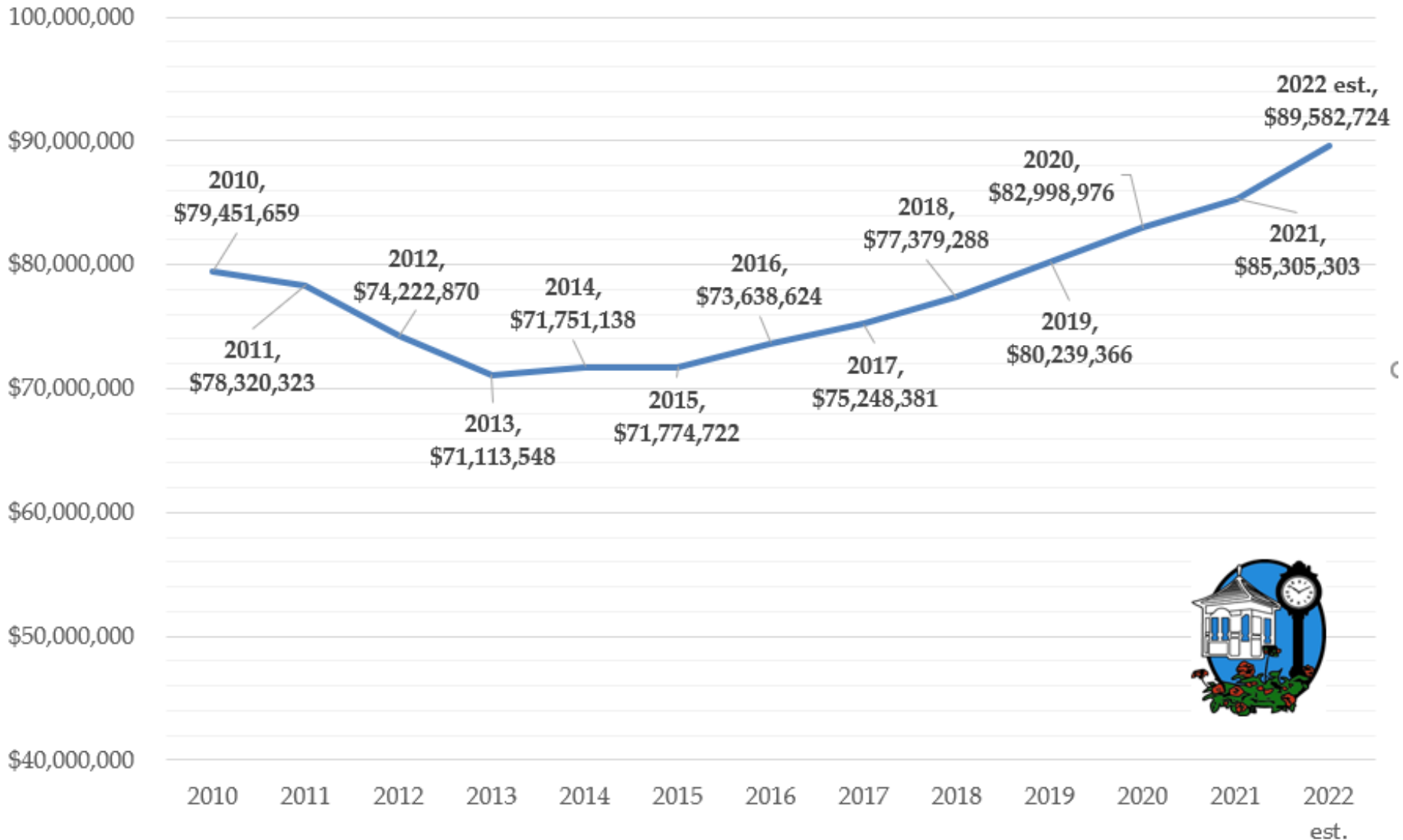
Fire Reserve: 1.0000 1.0000 1.0000

Solid Waste: 1.3000 1.3000 1.3000

Total: 15.8162 15.7421 15.5890



# Taxable Value 2010-2022 (est.)



Excludes Personal



## REAL PROPERTY VALUATION 2010-2022

YEAR	2010	2011	2012	2013	2014	2015			
Assessed Value:	\$ 90,622,900	\$ 82,639,050	\$ 76,687,800	\$ 72,845,900	\$ 75,050,100	\$ 79,871,200			
Taxable Value:	\$ 79,451,659	\$ 78,320,323	\$ 74,222,870	\$ 71,113,548	\$ 71,751,138	\$ 71,774,722			
Difference:	\$ 11,171,241	\$ 4,318,727	\$ 2,464,930	\$ 1,732,352	\$ 3,298,962	\$ 8,096,478			
Percent Difference:	12.33%	5.23%	3.21%	2.38%	4.40%	10.14%			
Inflation Rate Multiplier:	-0.03%	1.7%	2.7%	2.4%	1.60%	1.60%			
YEAR	2016	2017	2018	2019	2020	2021	2022 (Est.)**		
Assessed Value:	\$ 89,124,700	\$ 92,829,700	\$95,227,900	\$ 99,136,700	\$103,887,100	\$ 111,271,200	\$ 120,736,150		
Taxable Value:	\$ 73,638,624	\$ 75,248,381	\$ 77,379,288	\$ 80,239,366	\$ 82,998,976	\$ 85,305,303	\$ 89,582,724		
Difference:	\$ 15,486,076	\$ 17,581,319	\$ 17,848,612	\$ 18,897,334	\$ 20,888,124	\$ 25,965,897	\$ 26,059,856		
Percent Difference:	17.38%	18.94%	18.74%	19.06%	20.11%	23.34%	21.58%		
Inflation Rate Multiplier:	0.3%	0.9%	2.1%	2.40%	1.90%	1.40%	3.30%		
* - Original Values as of May 1, 2022 - no adjustments for Board of Review yet.									
** - 2022 Estimated									

## Cost Ranking for Water and Sewer Rates - Nov. 2021

	WATER		SEWER		COMBINED	
1	Mount Morris	\$88.94	Holly	\$103.96	Holly	\$165.27
2	Birch Run	\$62.22	Buchanan	\$82.20	Birch Run	\$138.47
3	Holly	\$61.31	Cedar Springs	\$77.97	Buchanan	\$131.44
4	Milford	\$53.89	Birch Run	\$76.25	Mount Morris	\$127.47
5	Saint Louis	\$51.65	Caro	\$74.52	Cedar Springs	\$121.99
6	Frankenmuth	\$51.36	Berrien Springs	\$70.36	Lapeer	\$114.87
7	Corunna	\$50.25	Manistee	\$68.97	Saint Louis	\$114.08
8	Durand	\$49.85	Lapeer	\$68.71	Durand	\$113.79
9	Buchanan	\$49.24	Vicksburg	\$67.32	Milford	\$109.14
10	Allegan	\$47.34	Otsego	\$65.69	Allegan	\$106.21
11	Lapeer	\$46.16	Durand	\$63.94	Chelsea	\$105.14
12	Howell	\$44.50	Saint Louis	\$62.43	Frankenmuth	\$102.95
13	Chelsea	\$44.40	Chelsea	\$60.74	Corunna	\$100.85
14	Cedar Springs	\$44.02	Rockford	\$60.67	Rockford	\$99.38
15	Newaygo	\$43.57	Sturgis	\$59.70	Sturgis	\$98.77
16	Big Rapids	\$42.40	Allegan	\$58.87	Three Rivers	\$96.55
17	Lowell	\$41.71	Three Rivers	\$56.69	Clare	\$95.74
18	Clare	\$41.07	Portland	\$55.80	Vicksburg	\$95.38
19	Oxford	\$40.21	Dowagiac	\$55.52	Big Rapids	\$95.15
20	Three Rivers	\$39.87	Plainwell	\$55.38	Caro	\$94.02
21	Sturgis	\$39.07	Milford	\$55.25	Manistee	\$93.89
22	Rockford	\$38.71	Brighton	\$54.70	Lowell	\$92.34
23	Ithaca	\$37.90	Clare	\$54.67	Howell	\$91.05
24	Niles	\$34.82	Big Rapids	\$52.75	Berrien Springs	\$90.66
25	Dowagiac	\$34.02	Frankenmuth	\$51.59	Dowagiac	\$89.54
26	Portland	\$33.63	Lowell	\$50.63	Portland	\$89.43
27	Brighton	\$32.70	Corunna	\$50.60	Newaygo	\$87.92
28	Alma	\$30.12	Springfield	\$49.16	Brighton	\$87.40
29	Springfield	\$29.54	Sparta	\$48.29	Otsego	\$85.15
30	Wayland	\$29.50	Howell	\$46.75	Plainwell	\$80.86
31	Vicksburg	\$28.06	Alma	\$46.42	Oxford	\$79.71
32	Sparta	\$27.38	Grand Haven	\$45.36	Springfield	\$78.70
33	Hartford	\$26.62	Newaygo	\$44.35	Alma	\$76.54
34	Cadillac	\$25.76	Belding	\$41.16	Sparta	\$75.67
35	Plainwell	\$25.48	Middleville	\$40.93	Niles	\$71.79
36	Manistee	\$24.92	Cadillac	\$39.93	Grand Haven	\$69.80
37	Grand Haven	\$24.44	Oxford	\$39.50	Cadillac	\$65.69
38	Hudsonville	\$23.56	Mount Morris	\$38.53	Ithaca	\$65.63
39	Albion	\$23.40	Albion	\$37.13	Middleville	\$64.18
40	Middleville	\$23.25	Hartford	\$36.99	Hartford	\$63.61
41	Berrien Springs	\$20.30	Niles	\$36.97	Wayland	\$63.34
42	Caro	\$19.50	Hudsonville	\$36.29	Albion	\$60.53
43	Otsego	\$19.46	Wayland	\$33.84	Hudsonville	\$59.85
44	Belding	\$16.62	Ithaca	\$27.73	Belding	\$58.08
	<b>AVG:</b>	<b>\$37.79</b>	<b>AVG:</b>	<b>\$54.66</b>	<b>AVG:</b>	<b>\$92.46</b>

\* Rates were based on one month of service with a usage of 6,000 gallons for water and sewer on a 3/4" (or 5/8") metered residential customer.





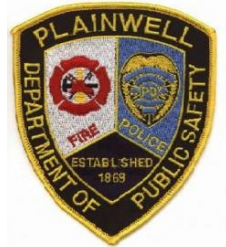


# - CITY OF PLAINWELL - FARMERS' MARKET



Thursday 3-6:30 p.m.  
now through Oct. 13

SW Donuts Parking lot  
548 Allegan St



# Thank You

.....for the opportunity to serve the residents of the Island City.

Sandy    Denise    Brian    Kevin  
Erik        Bryan        Bob



# City of Plainwell

## 2022-2023 Budget



“The Island City”

<b>Fund</b>	<b>2022 - 2023 Total Revenue</b>	<b>2022 - 2023 Total Expenditures</b>	<b>2022 - 2023 Revenues/Under Expenditures</b>	<b>Estimated Cash Balance as of 6/30/2023</b>	<b>%</b>
<b>General</b>	\$ 3,115,265	\$ 3,215,392	\$ (100,127)	\$ 393,848	12%
<b>Major Street</b>	\$ 1,001,430	\$ 967,238	\$ 34,192	\$ 261,355	27%
<b>Local Street</b>	\$ 275,905	\$ 544,615	\$ (268,710)	\$ 85,866	16%
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<b>DDA</b>	\$ 72,446	\$ 74,395	\$ (1,949)	\$ 89,800	121%
<b>ARPA Stimulus</b>	\$ 199,167	\$ 398,591	\$ (199,424)	\$ -	
<b>Revolving Loan</b>	\$ 13,032	\$ 10,000	\$ 3,032	\$ 13,598	136%
<b>Capital Improvement</b>	\$ 106,345	\$ 110,869	\$ (4,524)	\$ 44,877	40%
<b>Fire Reserve</b>	\$ 96,013	\$ 77,819	\$ 18,194	\$ 76,278	98%
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<b>Sewer</b>	\$ 1,400,929	\$ 1,543,192	\$ (142,263)	\$ 975,324	63%
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	<b>\$ 8,240,554</b>	<b>\$ 9,133,381</b>	<b>\$ (892,827)</b>	<b>\$ 2,350,535</b>	

## Fund 101 - GENERAL FUND

6/24/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
		ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
NEW GL NUMBER	DESCRIPTION	AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET
<b>ESTIMATED REVENUES</b>								
<b>Dept 002 - TAX REVENUES</b>								
101-002-402.000	Current Property Taxes - Real Property	955,848	973,826	1,006,533	1,030,470	1,028,206	1,028,206	1,065,387
101-002-410.000	Current Property Taxes - Personal	87,390	81,721	75,935	74,485	73,986	73,986	74,757
101-002-432.000	Payments in Lieu of Taxes - PILoTs	0	13,309	13,015	13,241	0	13,246	13,369
101-002-434.000	Taxes - Trailer Tax MCL 125.1041	450	75	550	300	283	283	300
101-002-437.000	Industrial Facilities Tax	14,483	13,481	17,358	18,337	18,229	18,229	17,515
101-002-445.000	Taxes - Interest Collected	3,509	3,342	2,533	2,600	3,096	3,096	2,800
101-002-445.001	Taxes - Late Fees Collected	6,672	6,495	8,109	6,000	5,912	5,912	5,800
101-002-447.000	Property Tax Administration Fee - Summer	23,806	24,467	25,218	26,030	25,967	25,967	27,754
101-002-447.001	Property Tax Administration Fee - Winter	18,481	18,787	22,759	23,661	23,566	23,566	24,672
<b>Totals for dept 002 - TAX REVENUES</b>		<b>1,110,639</b>	<b>1,135,503</b>	<b>1,172,010</b>	<b>1,195,124</b>	<b>1,179,245</b>	<b>1,192,491</b>	<b>1,232,354</b>
<b>Dept 003 - LICENSES AND PERMITS</b>								
101-003-477.000	Franchise Fees - Cable TV (Spectrum)	48,224	48,308	46,806	44,000	35,137	46,737	46,400
101-003-490.000	Permits - PCI	25,018	52,395	25,072	20,000	23,130	27,416	20,000
101-003-490.001	Permits - Other	1,320	800	625	600	900	950	485
<b>Totals for dept 003 - LICENSES AND PERMITS</b>		<b>74,562</b>	<b>101,503</b>	<b>72,503</b>	<b>64,600</b>	<b>59,167</b>	<b>75,103</b>	<b>66,885</b>
<b>Dept 004 - INTERGOVERNMENTAL REVENUE - FEDERAL</b>								
101-004-504.000	Federal Grant	900	1,103	0	325	0	0	500,000
101-004-528.001	Federal Grant - Other - 2020 CARES	0	0	125,488	0	0	0	0
<b>Totals for dept 004 - INTERGOVERNMENTAL REVENUE - FEDERAL</b>		<b>900</b>	<b>1,103</b>	<b>125,488</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>Dept 005 - INTERGOVERNMENTAL REVENUE - STATE</b>								
101-005-540.000	State Grants	0	1,431	0	0	5,525	6,545	267,590
101-005-543.302	State Grant - PA 302 Public Safety Training	1,377	1,290	892	1,200	952	952	900
101-005-550.000	State Grant - Liquor License Fees	4,417	4,371	3,614	3,200	3,918	3,918	3,900
101-005-573.000	Local Community Stabilization Share Tax	5,438	2,519	5,836	0	0	0	0
101-005-574.010	State Shared Revenue - Constitutional	328,674	328,355	372,318	352,130	267,286	400,072	390,757
101-005-574.020	State Shared Revenue - CVTRS/EVIP	86,341	73,605	73,606	90,094	60,060	90,093	99,102
<b>Totals for dept 005 - INTERGOVERNMENTAL REVENUE - STATE</b>		<b>426,247</b>	<b>411,571</b>	<b>456,266</b>	<b>446,624</b>	<b>337,741</b>	<b>501,580</b>	<b>762,249</b>

**Dept 007 - CHARGES FOR SERVICES**

101-007-626.005	Charges for Service - Police Reports	792	817	562	700	678	728	750
101-007-626.215	Charges for Service - Notary Fees	0	40	85	80	55	60	50
101-007-626.301	Charges for Service - Police Department	0	1,035	680	420	720	780	750
101-007-636.581	PILOT Transfer for Services - Airport	5,458	5,697	5,507	5,900	5,408	5,900	5,965
101-007-636.590	PILOT Transfer for Services - Sewer Fund	247,309	248,821	250,432	252,486	231,446	252,486	250,983
101-007-636.591	PILOT Transfer for Services - Water Fund	138,849	134,784	131,375	137,687	126,213	137,687	142,209
101-007-636.661	PILOT Transfer for Services - Motor Pool Fund	23,255	24,263	24,590	25,900	23,742	25,900	26,641
101-007-652.000	Parking Fees	2,023	835	945	800	940	940	720
101-007-654.001	Reimbursement - Kenyon Park	2,250	(500)	(2,000)	0	0	0	0
101-007-654.262	Charges for Services - Elections	0	7,332	0	0	0	0	0
101-007-654.301	Charges for Services - Plainwell DPS	0	21,196	0	0	0	0	0
<b>Totals for dept 007 - CHARGES FOR SERVICES</b>		<b>419,936</b>	<b>444,320</b>	<b>412,176</b>	<b>423,973</b>	<b>389,202</b>	<b>424,481</b>	<b>428,068</b>

**Dept 008 - FINES AND FORFEITURES**

101-008-657.000	Fines - Ordinance Enforcement	9,113	9,701	5,385	6,000	4,136	4,585	2,000
101-008-657.002	Fines - Ordinance - Cost Recovery	0	(2,188)	1,209	1,700	1,550	1,800	1,000
101-008-657.003	Fines - Ordinance - Accident Cost Recovery	0	(523)	0	0	1,037	1,037	0
<b>Totals for dept 008 - FINES AND FORFEITURES</b>		<b>9,113</b>	<b>6,990</b>	<b>6,594</b>	<b>7,700</b>	<b>6,723</b>	<b>7,422</b>	<b>3,000</b>

**Dept 009 - INTEREST AND RENTS**

101-009-665.000	Interest Earnings - Investments	12,370	11,621	3,574	2,000	1,458	2,000	3,512
101-009-665.012	Interest Earnings - Business Loans	711	595	478	361	331	361	242
101-009-665.014	Interest Earnings - Interfund Loans	1,843	1,695	1,546	1,395	1,279	1,395	1,242
101-009-667.010	Rents - City Hall Council Chambers	40	40	0	0	0	0	0
101-009-667.020	Rents - Pell Park Facility	1,500	1,517	2,413	900	1,941	2,333	1,967
101-009-667.203	Rents - Crispe Community House	0	0	0	0	2,000	2,000	0
101-009-667.830	Rents - 830 Miller Road - Meert Farm	0	0	0	0	0	0	5,000
<b>Totals for dept 009 - INTEREST AND RENTS</b>		<b>16,464</b>	<b>15,468</b>	<b>8,011</b>	<b>4,656</b>	<b>7,009</b>	<b>8,089</b>	<b>11,963</b>

**Dept 010 - OTHER REVENUES**

101-010-674.001	Private Donations - Dog Park	0	192	0	0	0	0	0
101-010-674.002	Private Donations - Pickleball Court	0	10,750	5,624	0	2,330	3,830	0
101-010-674.003	Private Donations - Fireworks Donations	7,000	0	0	0	0	0	0
101-010-674.150	Private Donations - Sesquicentennial	3,730	1,249	33	0	0	0	0
101-010-674.262	Private Grant - CTCL Elections	0	0	5,000	0	0	0	0
101-010-675.000	Flower Program Donations	6,017	200	2,585	2,500	2,380	2,480	2,000

101-010-675.020	Charitable Contributions Received	180	8	2,050	0	30,712	30,712	0
101-010-676.000	Reimbursements	0	892	0	0	0	0	0
101-010-684.000	Miscellaneous Revenue	5,001	3,787	6,472	2,500	3,430	3,430	4,205
<b>Totals for dept 010 - OTHER REVENUES</b>		<b>21,928</b>	<b>17,078</b>	<b>21,764</b>	<b>5,000</b>	<b>38,852</b>	<b>40,452</b>	<b>6,205</b>

**Dept 010 - OTHER FINANCING SOURCES**

101-011-693.000	Sale of Fixed Assets - Land	0	0	0	0	12,791	12,791	0
101-011-693.010	Sale of Fixed Assets - Equipment	4,531	0	0	0	0	0	0
101-011-696.010	Loan Proceeds	4,531	0	0	0	500,000	500,000	0
101-011-698.001	Other Finance Source - Workers' Comp Ins	0	526	0	0	0	0	0
101-011-698.002	Other Finance Source - Liability Insurance	950	0	186,564	0	89,349	121,377	0
<b>Totals for dept 011 - OTHER FINANCING SOURCES</b>		<b>10,012</b>	<b>526</b>	<b>186,564</b>	<b>0</b>	<b>602,140</b>	<b>634,168</b>	<b>0</b>

**Dept 093 - TRANSFERS FROM OTHER FUNDS**

101-093-699.243	Interfund Transfer In - Brownfield	14,782	14,930	15,079	15,230	13,961	165,230	65,382
101-093-699.248	Interfund Transfer In - DDA Fund	11,550	11,666	11,783	11,900	10,908	11,900	24,159
101-093-699.402	Interfund Transfer In - Fire Reserve	18,600	15,000	15,000	15,000	13,750	15,000	15,000
<b>Totals for dept 093 - TRANSFERS FROM OTHER FUNDS</b>		<b>44,932</b>	<b>41,596</b>	<b>41,862</b>	<b>42,130</b>	<b>38,619</b>	<b>192,130</b>	<b>104,541</b>

**TOTAL ESTIMATED REVENUES**

<b>2,134,733</b>	<b>2,175,658</b>	<b>2,503,238</b>	<b>2,190,132</b>	<b>2,658,698</b>	<b>3,075,916</b>	<b>3,115,265</b>
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**APPROPRIATIONS**

**Dept 101 - CITY COUNCIL**

101-101-707.001	Wages - Council, Boards & Commissions	10,000	9,850	9,400	10,000	9,250	10,000	10,000
101-101-709.000	Payroll Tax - FICA/Medicare (Social Sec)	765	754	719	765	708	765	765
101-101-725.010	Workers Comp Insurance	19	18	14	13	10	10	12
101-101-801.013	Professional Services - Attorney	0	1,031	0	0	0	0	0
101-101-801.030	Professional Services - Audit	7,667	5,504	4,464	7,464	7,175	7,175	4,734
101-101-850.001	Communications - Cell Phones	558	947	526	940	487	574	574
101-101-900.000	Printing and Publishing	4,639	4,255	4,049	3,900	4,005	4,005	4,000
101-101-935.001	Liability Insurance	162	168	194	225	222	222	244
101-101-948.000	Computer Services	71	83	0	100	60	60	0
101-101-955.000	Miscellaneous	20	60	0	100	0	0	100
101-101-962.000	Memberships & Dues	2,662	2,726	2,778	2,850	2,817	2,817	2,871
<b>Totals for dept 101 - CITY COUNCIL</b>		<b>26,563</b>	<b>25,396</b>	<b>22,144</b>	<b>26,357</b>	<b>24,734</b>	<b>25,628</b>	<b>23,300</b>

**Dept 200 - CITY ADMINISTRATION**

101-200-703.000	Salaries/Wages - Full Time Employees	203,466	198,412	193,719	218,464	190,167	220,986	228,039
101-200-704.001	Wages - Part Time Employees	8,439	8,189	279	2,889	149	149	13,520

101-200-709.000	Payroll Tax - FICA/Medicare (Social Sec)	14,745	14,593	13,227	15,382	12,925	15,139	17,818
101-200-712.001	Medical Insurance Opt Out	2,216	4,314	2,282	0	1,868	2,050	4,875
101-200-713.001	Overtime Pay	13	0	34	0	39	39	0
101-200-716.000	Retirement Benefits	18,595	18,237	19,679	21,208	18,806	20,800	22,133
101-200-718.001	Health Insurance Premiums	36,607	30,712	38,382	56,433	41,227	44,947	36,946
101-200-718.013	Health Insurance - HSA - Employer Paid	12,704	9,432	13,770	24,685	14,224	14,224	17,106
101-200-723.001	Other Post Employment Benefits	0	314	1,058	971	890	971	816
101-200-725.001	Life Insurance	189	206	206	194	195	214	196
101-200-725.010	Workers Comp Insurance	843	825	612	550	414	414	524
101-200-749.000	Employee Recognition	248	339	290	300	341	341	100
101-200-751.000	Office Supplies	6,686	5,362	4,481	5,000	5,463	6,251	6,000
101-200-801.000	Professional Services - Engineering	0	0	0	0	5,300	5,300	0
101-200-801.013	Professional Services - Attorney	2,310	8,995	10,867	10,000	46,482	53,482	14,000
101-200-803.015	Administrative Services - Accounting	0	200	0	0	900	1,000	0
101-200-850.000	Communications - Land Line Phones	4,027	3,839	3,839	3,960	3,687	4,007	4,080
101-200-850.001	Communications - Cell Phones	447	608	1,091	1,278	1,005	1,150	1,182
101-200-851.000	Postage	4,803	4,072	4,002	3,972	2,437	3,437	4,375
101-200-861.000	Transportation - Mileage Reimbursement	269	0	0	0	0	0	0
101-200-900.000	Printing and Publishing	3,454	4,249	1,650	2,400	2,307	2,487	2,400
101-200-931.001	Outside Services	6,514	6,969	6,900	8,200	9,151	11,216	8,200
101-200-935.001	Liability Insurance	1,611	1,676	1,937	2,131	2,103	2,103	2,313
101-200-948.000	Computer Services	8,201	15,908	20,135	8,500	17,098	19,759	13,280
101-200-955.000	Miscellaneous	2,166	20	32	100	3,325	197	200
101-200-955.010	Miscellaneous - City Administrator	886	730	311	1,000	674	1,000	1,000
101-200-955.999	Bank Service Charges	2,368	2,389	2,151	1,860	1,467	1,767	2,960
101-200-960.000	Education & Training - Professional	821	3,049	2,151	2,400	2,949	4,115	3,600
101-200-962.000	Memberships & Dues	984	1,265	1,273	1,199	1,431	1,431	1,524
<b>Totals for dept 200 - CITY ADMINISTRATION</b>		<b>343,612</b>	<b>344,904</b>	<b>344,358</b>	<b>393,076</b>	<b>387,024</b>	<b>438,976</b>	<b>407,187</b>

**Dept 257 - ASSESSING**

101-257-707.001	Wages - Council, Boards & Commissions	510	425	485	660	590	590	660
101-257-709.000	Payroll Tax - FICA/Medicare (Social Sec)	39	33	37	51	45	45	50
101-257-725.010	Workers Comp Insurance	0	0	0	2	2	2	1
101-257-751.000	Office Supplies	0	0	278	0	0	0	0
101-257-801.257	Professional Services - Assessor	17,000	18,000	18,050	18,050	16,800	18,350	18,650
101-257-851.000	Postage	1,375	903	1,134	1,100	1,021	1,024	1,200
101-257-900.000	Printing & Publishing	112	240	440	100	270	270	300
101-257-931.000	Outside Services	717	503	510	750	0	750	750
101-257-948.000	Computer Services	1,431	1,210	1,301	1,400	1,328	1,328	1,400



<b>Totals for dept 257 - ASSESSING</b>	21,184	21,314	22,235	22,113	20,056	22,359	23,011
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**Dept 262 - ELECTIONS**

101-262-703.000	Salaries/Wages - Full Time Employees	12,880	13,868	15,597	17,645	16,746	20,042	16,906
101-262-704.001	Wages - Part Time Employees	132	195	17	0	0	0	0
101-262-707.001	Wages - Council, Boards & Commissions	3,491	2,174	4,189	2,000	0	156	7,168
101-262-709.000	Payroll Tax - FICA/Medicare (Social Sec)	935	1,025	1,130	1,395	1,210	1,478	1,787
101-262-713.001	Overtime Pay	0	0	0	0	57	57	0
101-262-716.000	Retirement Benefits	1,288	1,387	1,529	1,765	1,295	1,405	1,682
101-262-718.001	Health Insurance Premiums	1,817	1,910	2,108	3,417	2,410	2,632	1,943
101-262-718.013	Health Insurance - HSA - Employer Paid	912	911	912	2,242	1,216	1,216	936
101-262-725.001	Life Insurance	6	6	6	12	8	9	9
101-262-725.010	Workers Comp Insurance	50	48	61	49	37	37	53
101-262-751.000	Office Supplies	2,684	6,129	1,844	900	1,300	1,909	1,800
101-262-801.013	Professional Services - Attorney	1,236	547	0	0	1,104	1,104	0
101-262-851.000	Postage	1,303	476	1,311	1,580	1,298	1,923	3,097
101-262-861.000	Transportation - Mileage Reimbursement	122	0	0	0	0	0	100
101-262-900.000	Printing and Publishing	1,317	421	97	400	620	808	200
101-262-931.000	Repairs and Maintenance - Equipment	0	230	0	400	0	0	0
101-262-935.001	Liability Insurance	129	135	156	175	173	173	190
101-262-940.000	Rentals - Equipment	0	30	61	0	0	0	0
101-262-948.000	Computer Services	347	906	13	0	1,144	2,496	200
101-262-955.000	Miscellaneous	507	449	617	250	0	0	250
101-262-960.000	Education & Training - Professional	0	229	52	600	0	600	2,000
101-262-962.000	Memberships & Dues	0	120	60	250	120	120	140

<b>Totals for dept 262 - ELECTIONS</b>	29,156	31,196	29,760	33,080	28,738	36,165	38,461
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**Dept 265 - BUILDINGS AND GROUNDS**

101-265-703.000	Salaries/Wages - Full Time Employees	43,411	47,925	35,489	42,326	38,599	44,116	41,428
101-265-704.001	Wages - Part Time Employees	9,849	11,720	7,950	8,605	9,191	10,312	5,942
101-265-704.005	Wages - Part Time Seasonal Employees	961	294	0	0	0	0	0
101-265-709.000	Payroll Tax - FICA/Medicare (Social Sec)	4,251	4,619	3,327	4,007	3,884	4,360	3,875
101-265-712.001	Medical Insurance Opt Out	591	780	776	817	818	911	2,475
101-265-713.001	Overtime Pay	3,000	2,022	654	2,280	3,560	3,760	2,280
101-265-716.000	Retirement Benefits	3,820	4,732	3,750	4,188	3,903	4,308	4,097
101-265-718.001	Health Insurance Premiums	3,610	2,984	3,160	5,015	3,594	3,915	4,278
101-265-718.012	Health Insurance - FSA - Employer Paid	111	7	0	0	0	0	0
101-265-718.013	Health Insurance - HSA - Employer Paid	1,110	571	262	1,584	1,320	1,320	1,584
101-265-723.001	Other Post Employment Benefits	0	978	980	1,070	981	1,070	1,190

101-265-725.001	Life Insurance	16	15	14	21	13	14	21
101-265-725.010	Workers Comp Insurance	1,633	1,597	1,148	1,223	921	921	1,102
101-265-751.000	Office Supplies	5,251	1,484	1,298	1,400	719	919	1,000
101-265-752.000	Operating Supplies	646	504	140	200	140	140	200
101-265-767.000	Uniforms	502	2,323	1,301	1,800	1,237	1,597	2,400
101-265-775.000	Supplies - Repairs and Maintenance	11,139	21,063	9,218	8,500	11,893	14,962	15,000
101-265-850.000	Communications - Land Line Phones	6,207	6,636	2,364	1,800	1,509	1,645	1,800
101-265-850.001	Communications - Cell Phones	700	682	1,656	576	1,825	1,945	1,440
101-265-851.000	Postage	70	70	16	50	64	64	50
101-265-882.000	Property Tax - City Property	532	180	194	174	1,244	1,244	22,328
101-265-920.000	Utilities - Electric	19,065	25,425	24,218	26,400	22,088	34,051	36,400
101-265-921.000	Utilities - Natural Gas	6,655	4,412	6,158	6,500	8,617	9,731	10,000
101-265-922.000	Utilities - Water/Sewer	2,869	2,013	1,502	1,680	3,298	3,558	3,200
101-265-930.001	Repair & Maintenance - Land & Bldgs	4,776	408	0	400	0	0	0
101-265-931.000	Outside Services	57,006	49,989	252,118	146,450	139,778	179,390	44,688
101-265-935.001	Liability Insurance	2,094	2,179	2,518	2,770	4,797	4,797	5,277
101-265-940.000	Rentals - Equipment	33,370	19,799	21,369	22,200	25,384	27,384	27,000
101-265-948.000	Computer Services	759	1,022	4,114	1,200	1,372	1,772	2,000
101-265-955.000	Miscellaneous	440	0	4	0	0	0	0
101-265-960.000	Education & Training	0	44	360	0	1,355	1,355	1,600
<b>Totals for dept 265 - BUILDINGS AND GROUNDS</b>		<b>224,444</b>	<b>216,477</b>	<b>386,058</b>	<b>293,236</b>	<b>292,104</b>	<b>359,561</b>	<b>242,655</b>

**Dept 301 - PUBLIC SAFETY - POLICE DIVISION**

101-301-703.000	Salaries/Wages - Full Time Employees	546,032	559,229	563,142	580,331	504,811	567,700	597,042
101-301-704.001	Wages - Part Time Employees	22,751	28,002	14,057	39,037	13,525	15,300	46,506
101-301-706.001	Holiday Pay - Worked Hours	16,616	18,326	18,096	8,400	6,808	7,224	8,400
101-301-706.002	Holiday Pay - Hours Not Worked	19,142	20,334	19,264	21,120	16,483	18,890	21,455
101-301-709.000	Payroll Tax - FICA/Medicare (Social Sec)	44,945	47,224	46,650	49,369	41,997	47,640	51,562
101-301-712.001	Medical Insurance Opt Out	319	3,591	4,644	4,968	2,115	2,322	11,040
101-301-713.001	Overtime Pay	27,804	33,008	28,480	22,000	35,830	45,713	22,000
101-301-713.002	Overtime - Court	2,632	1,519	1,492	3,000	2,383	3,000	3,000
101-301-716.000	Retirement Benefits	66,015	65,180	69,300	67,185	53,816	59,316	68,424
101-301-718.001	Health Insurance Premiums	103,335	87,677	87,971	92,883	76,466	88,291	97,322
101-301-718.013	Health Insurance - HSA - Employer Paid	51,936	48,686	46,092	41,152	41,951	42,687	44,372
101-301-723.001	Other Post Employment Benefits	537	11,302	17,996	20,521	18,811	20,521	28,163
101-301-723.076	Contributions to OPEB Trust	0	0	2,063	0	0	0	0
101-301-725.001	Life Insurance	581	592	570	592	477	521	592
101-301-725.010	Workers Comp Insurance	13,149	13,103	10,907	10,301	7,755	7,755	10,181
101-301-751.000	Office Supplies	552	756	696	1,200	1,823	2,838	1,000

101-301-752.000	Operating Supplies	6,724	2,816	4,317	5,350	13,682	13,882	6,040
101-301-767.000	Uniforms	6,570	5,973	3,984	6,500	3,587	3,967	4,200
101-301-775.000	Supplies - Repairs and Maintenance	1,719	2,387	1,238	1,600	413	750	1,200
101-301-801.013	Professional Services - Attorney	4,621	8,075	5,188	8,500	3,463	5,194	5,400
101-301-850.000	Communications - Land Line Phones	5,189	3,605	7,796	6,500	3,339	3,669	6,000
101-301-850.001	Communications - Cell Phones	4,582	3,641	3,424	3,200	2,501	3,346	2,806
101-301-851.000	Postage	580	1,136	242	1,000	92	112	300
101-301-861.000	Transportation - Mileage Reimbursement	0	0	15	0	0	0	0
101-301-900.000	Printing and Publishing	0	0	320	160	550	550	160
101-301-920.000	Utilities - Electric	2,666	6,787	6,227	6,800	6,520	7,720	7,200
101-301-921.000	Utilities - Natural Gas	1,746	696	1,493	1,800	2,145	2,325	2,200
101-301-922.000	Utilities - Water/Sewer	704	683	749	840	599	685	800
101-301-931.000	Repairs and Maintenance - Equipment	7,645	5,055	2,664	11,800	13,807	16,582	9,900
101-301-934.001	Repair & Maintenance - Radio Equipment	570	730	693	1,100	698	698	800
101-301-935.001	Liability Insurance	16,648	17,322	20,020	22,022	21,730	21,730	22,903
101-301-940.000	Rentals - Equipment	48,300	48,300	48,300	54,500	48,785	53,561	57,319
101-301-948.000	Computer Services	5,984	5,536	1,453	1,500	7,206	8,206	3,500
101-301-955.000	Miscellaneous	84	798	180	350	169	169	200
101-301-960.000	Education & Training - Professional	2,849	3,935	1,362	3,500	3,029	3,029	2,800
101-301-961.000	Education & Training - Police PA 302	1,362	1,139	2,411	1,300	1,844	1,844	1,844
101-301-962.000	Memberships & Dues	460	740	625	800	200	200	600
<b>Totals for dept 301 - PUBLIC SAFETY - POLICE DIVISION</b>		<b>1,035,349</b>	<b>1,057,883</b>	<b>1,044,121</b>	<b>1,101,181</b>	<b>959,410</b>	<b>1,077,937</b>	<b>1,147,231</b>

**Dept 336 - PUBLIC SAFETY - FIRE DIVISION**

101-336-703.000	Salaries/Wages - Full Time Employees	25,829	20,381	23,450	47,877	14,766	22,315	49,248
101-336-704.001	Wages - Part Time Employees	23,637	19,046	20,548	31,299	21,066	23,873	27,383
101-336-706.002	Holiday Pay - Hours Not Worked	1,222	1,298	1,230	1,836	1,052	1,206	1,866
101-336-709.000	Payroll Tax - FICA/Medicare (Social Sec)	4,891	4,273	4,438	7,173	4,049	5,065	6,999
101-336-712.001	Medical Insurance Opt Out	28	312	404	432	184	202	960
101-336-713.001	Overtime Pay	16,747	17,966	14,893	15,000	17,974	21,260	15,000
101-336-716.000	Retirement Benefits	3,044	2,251	2,813	5,583	1,581	1,706	5,683
101-336-718.001	Health Insurance Premiums	8,462	7,071	7,037	7,410	6,366	6,995	8,260
101-336-718.013	Health Insurance - HSA - Employer Paid	4,419	4,689	2,692	3,328	3,212	3,276	3,608
101-336-723.001	Other Post Employment Benefits	0	940	1,507	1,734	1,590	1,734	2,449
101-336-725.001	Life Insurance	49	50	48	50	40	44	50
101-336-725.010	Workers Comp Insurance	2,487	2,433	2,610	2,586	1,947	1,947	2,334
101-336-751.000	Office Supplies	0	11	11	0	0	0	500
101-336-752.000	Operating Supplies	7,572	4,119	3,450	4,100	620	1,730	2,000
101-336-759.000	Gasoline	954	837	625	720	845	2,185	350

101-336-767.000	Uniforms	6,546	7,814	6,281	11,500	1,357	9,321	11,500
101-336-775.000	Supplies - Repairs and Maintenance	1,919	894	2,691	1,500	1,151	1,195	500
101-336-850.000	Communications - Land Line Phones	625	522	691	780	630	756	780
101-336-850.001	Communications - Cell Phones	398	285	299	300	236	256	300
101-336-851.000	Postage	0	0	0	0	6	6	0
101-336-900.000	Printing and Publishing	0	0	80	160	0	0	0
101-336-920.000	Utilities - Electric	11,103	6,787	6,212	6,800	6,499	7,999	8,400
101-336-921.000	Utilities - Natural Gas	1,746	696	1,493	1,800	2,145	2,345	2,400
101-336-922.000	Utilities - Water/Sewer	704	683	749	700	599	685	800
101-336-931.000	Repairs and Maintenance - Equipment	5,971	7,266	8,846	11,700	7,396	7,766	8,000
101-336-932.001	Repair & Maintenance - Fire Vehicles	10,387	11,881	9,994	10,000	12,713	14,213	10,000
101-336-934.001	Repair & Maintenance - Radio Equipment	989	631	693	1,100	100	1,000	1,000
101-336-935.001	Liability Insurance	4,189	4,359	5,038	5,542	5,469	5,469	6,016
101-336-940.000	Rentals - Equipment	59	230	423	350	202	202	300
101-336-948.000	Computer Services	357	238	36	200	461	511	300
101-336-960.000	Education & Training - Professional	384	1,084	593	1,800	1,603	1,603	1,500
101-336-962.000	Memberships & Dues	300	300	300	500	125	125	300
<b>Totals for dept 336 - PUBLIC SAFETY - FIRE DIVISION</b>		<b>145,018</b>	<b>129,347</b>	<b>130,175</b>	<b>183,860</b>	<b>115,984</b>	<b>146,990</b>	<b>178,786</b>

Dept 448 - **STREET LIGHTING**

101-448-775.000	Supplies - Repairs and Maintenance	0	0	0	0	181	2,206	0
101-448-925.000	Utilities - Street Lights	42,674	42,505	42,097	42,300	34,401	40,822	42,000
<b>Totals for dept 448 - STREET LIGHTING</b>		<b>42,674</b>	<b>42,505</b>	<b>42,097</b>	<b>42,300</b>	<b>34,582</b>	<b>43,028</b>	<b>42,000</b>

Dept 651 - **AMBULANCE**

101-651-843.000	Ambulance Service	8,459	8,611	4,306	9,492	8,818	8,818	9,603
<b>Totals for dept 651 - AMBULANCE</b>		<b>8,459</b>	<b>8,611</b>	<b>4,306</b>	<b>9,492</b>	<b>8,818</b>	<b>8,818</b>	<b>9,603</b>

Dept 701 - **PLANNING**

101-701-703.000	Salaries/Wages - Full Time Employees	10,494	10,755	10,293	10,902	9,725	10,978	11,225
101-701-709.000	Payroll Tax - FICA/Medicare (Social Sec)	720	732	701	791	653	723	813
101-701-718.001	Health Insurance Premiums	1,400	1,461	1,631	1,719	1,573	1,712	1,888
101-701-718.013	Health Insurance - HSA - Employer Paid	504	504	504	504	504	504	504
101-701-725.010	Workers Comp Insurance	41	40	33	27	20	20	24
101-701-751.000	Office Supplies	27	0	0	0	20	20	0
101-701-801.000	Engineering Services	0	0	0	0	19,599	19,599	5,000
101-701-801.013	Professional Services - Attorney	0	0	0	0	2,405	4,800	5,000
101-701-801.701	Professional Services - Planning	1,737	1,271	2,889	2,000	14,226	18,700	301,714
101-701-803.000	Permits - Protective Inspections	25,018	52,395	25,072	20,000	23,130	27,416	20,000

101-701-900.000	Printing and Publishing	180	114	210	200	0	190	0
101-701-931.000	Outside Services	2,281	924	395	1,000	1,356	1,401	1,390
101-701-935.001	Liability Insurance	247	257	297	327	323	323	355
101-701-948.000	Computer Services	2,000	2,711	2,579	3,120	2,179	2,579	2,579
101-701-955.000	Miscellaneous	0	0	(130)	0	(136)	(68)	0
101-701-960.000	Education & Training - Professional	1,312	725	680	150	74	74	150
101-701-962.000	Memberships & Dues	60	60	60	60	65	65	70
<b>Totals for dept 701 - PLANNING</b>		<b>46,021</b>	<b>71,949</b>	<b>45,214</b>	<b>40,800</b>	<b>75,716</b>	<b>89,036</b>	<b>350,712</b>

Dept 728 - **ECONOMIC DEVELOPMENT**

101-728-880.000	Public Relations	1,527	762	1,132	700	1,435	1,435	1,500
101-728-931.000	Outside Services	30	0	0	0	0	0	0
<b>Totals for dept 728 - ECONOMIC DEVELOPMENT</b>		<b>1,557</b>	<b>762</b>	<b>1,132</b>	<b>700</b>	<b>1,435</b>	<b>1,435</b>	<b>1,500</b>

Dept 751 - **PARKS & RECREATION**

101-751-703.000	Salaries/Wages - Full Time Employees	33,297	36,960	36,287	38,076	32,427	37,927	37,252
101-751-704.001	Wages - Part Time Employees	16,957	13,004	14,879	14,483	11,315	12,190	7,020
101-751-704.005	Wages - Part Time Seasonal Employees	2,093	436	0	0	0	0	0
101-751-709.000	Payroll Tax - FICA/Medicare (Social Sec)	3,903	3,827	3,912	3,997	3,386	3,880	3,499
101-751-712.001	Medical Insurance Opt Out	489	835	831	823	813	905	2,430
101-751-713.001	Overtime Pay	94	230	273	380	415	445	380
101-751-716.000	Retirement Benefits	3,158	3,648	3,835	3,781	3,239	3,703	3,697
101-751-718.001	Health Insurance Premiums	4,424	3,399	3,501	4,608	3,378	3,611	3,938
101-751-718.012	Health Insurance - FSA - Employer Paid	235	18	0	0	0	0	0
101-751-718.013	Health Insurance - HSA - Employer Paid	1,224	1,161	3,819	1,440	1,224	1,224	1,440
101-751-723.001	Other Post Employment Benefits	0	916	919	989	907	989	1,082
101-751-725.001	Life Insurance	16	14	13	20	12	14	20
101-751-725.010	Workers Comp Insurance	1,370	1,339	1,029	1,170	881	881	936
101-751-752.000	Operating Supplies	21	129	0	100	36	36	100
101-751-767.000	Uniforms	407	593	383	500	413	510	650
101-751-775.000	Supplies - Repairs and Maintenance	2,208	4,622	4,312	3,800	5,822	6,867	4,800
101-751-801.000	Engineering Services	10,800	0	0	0	0	0	0
101-751-850.001	Communications - Cell Phones	68	57	59	60	54	60	60
101-751-900.000	Printing and Publishing	219	175	108	100	0	86	100
101-751-920.000	Utilities - Electric	14,255	15,266	17,213	19,000	16,610	18,910	19,500
101-751-922.000	Utilities - Water/Sewer	9,357	7,418	6,210	6,800	5,123	6,073	6,500
101-751-931.000	Outside Services	0	0	0	0	0	875	0
101-751-931.001	Repairs and Maintenance - Equipment	2,565	1,371	4,481	1,000	348	600	3,000
101-751-935.001	Liability Insurance	1,611	1,676	1,937	2,130	2,102	2,102	2,312



101-751-940.000	Rentals - Equipment	34,844	39,473	40,654	38,000	28,100	34,100	36,000
101-751-948.000	Computer Services	301	249	223	300	23	23	100
101-751-960.000	Education & Training - Professional	146	0	0	0	0	0	0
101-751-967.010	Project Costs - Cook Park	2,282	3,162	12,958	0	348	348	0
101-751-967.020	Project Costs - Pell Park	327	350	593	10,000	2,106	4,306	15,000
101-751-967.025	Project Costs - Hicks Park	0	850	0	0	0	0	0
101-751-967.026	Project Costs - Kenyon (Old Rec) Park	0	2	0	0	0	0	0
101-751-967.027	Project Costs - Sherwood Park	0	1,160	1,080	0	36	36	2,000
101-751-967.050	Project Costs - Christmas Decorations	728	3,269	4,071	2,000	2,548	2,548	5,000
101-751-967.055	Project Costs - Riverwalk Park	0	0	1,643	0	84	84	0
<b>Totals for dept 751 - PARKS &amp; RECREATION</b>		<b>147,399</b>	<b>145,609</b>	<b>165,223</b>	<b>153,557</b>	<b>121,750</b>	<b>143,333</b>	<b>156,816</b>

Dept 774 - **FLOWERS**

101-774-703.000	Salaries/Wages - Full Time Employees	6,652	7,318	6,794	6,748	5,631	8,455	6,558
101-774-704.001	Wages - Part Time Employees	5,995	5,613	6,046	5,215	2,419	2,675	2,527
101-774-704.005	Wages - Part Time Seasonal Employees	6,350	5,965	0	0	0	0	0
101-774-709.000	Payroll Tax - FICA/Medicare (Social Sec)	1,465	1,427	967	901	612	844	703
101-774-712.001	Medical Insurance Opt Out	62	89	89	115	120	134	375
101-774-713.001	Overtime Pay	525	0	47	0	0	0	0
101-774-716.000	Retirement Benefits	633	728	850	670	562	846	651
101-774-718.001	Health Insurance Premiums	410	335	762	910	683	741	781
101-774-718.012	Health Insurance - FSA - Employer Paid	16	1	0	0	0	0	0
101-774-718.013	Health Insurance - HSA - Employer Paid	120	15	815	288	264	264	288
101-774-723.001	Other Post Employment Benefits	0	135	135	161	148	161	216
101-774-725.001	Life Insurance	2	2	2	3	2	2	3
101-774-725.010	Workers Comp Insurance	614	601	363	282	212	212	206
101-774-752.000	Operating Supplies	64	35	0	0	0	0	0
101-774-767.000	Uniforms	80	16	13	15	14	25	20
101-774-774.000	Supplies - Plantings	4,512	8,734	8,575	8,600	0	8,600	9,000
101-774-775.000	Supplies - Repairs and Maintenance	2,971	1,408	2,248	2,200	1,043	1,400	1,400
101-774-851.000	Office Supplies	21	0	0	0	0	0	0
101-774-861.000	Transportation - Mileage Reimbursement	0	0	44	0	0	0	0
101-774-900.000	Printing and Publishing	70	0	0	0	0	0	0
101-774-931.000	Repairs and Maintenance - Equipment	94	48	0	0	20	20	0
101-774-935.001	Liability Insurance	537	559	646	710	701	701	771
101-774-940.000	Rentals - Equipment	9,297	7,959	4,649	9,000	2,502	5,004	6,000
101-774-955.000	Miscellaneous	0	0	60	0	0	0	0
<b>Totals for dept 774 - FLOWERS</b>		<b>40,490</b>	<b>40,988</b>	<b>33,105</b>	<b>35,818</b>	<b>14,933</b>	<b>30,084</b>	<b>29,499</b>

**Dept 775 - SPECIAL EVENTS**

101-775-703.000	Salaries/Wages - Full Time Employees	5,998	3,643	2,778	2,795	3,580	4,067	2,780
101-775-704.001	Wages - Part Time Employees	303	217	156	0	504	600	0
101-775-704.005	Wages - Part Time Seasonal Employees	300	0	0	0	0	0	0
101-775-709.000	Payroll Tax - FICA/Medicare (Social Sec)	508	305	227	214	349	400	222
101-775-712.001	Medical Insurance Opt Out	89	116	116	74	70	77	195
101-775-713.001	Overtime Pay	261	107	0	0	558	558	0
101-775-716.000	Retirement Benefits	570	358	285	275	361	402	273
101-775-718.001	Health Insurance Premiums	739	639	682	233	211	227	201
101-775-718.012	Health Insurance - FSA - Employer Paid	16	1	0	0	0	0	0
101-775-718.013	Health Insurance - HSA - Employer Paid	240	31	32	72	60	60	72
101-775-723.001	Other Post Employment Benefits	0	198	197	195	178	194	54
101-775-725.001	Life Insurance	3	3	3	1	2	3	1
101-775-725.010	Workers Comp Insurance	207	203	145	58	44	44	56
101-775-767.000	Uniforms	37	12	13	15	9	14	20
101-775-775.000	Supplies - Repairs and Maintenance	870	8	24	0	2,049	174	100
101-775-880.025	Fireworks Expenses	7,000	0	0	0	0	0	0
101-775-880.150	Special Event - Sesquicentennial	2,926	982	0	0	0	0	0
101-775-931.000	Repairs and Maintenance - Equipment	85	0	0	0	0	0	0
101-775-935.001	Liability Insurance	107	111	128	140	138	138	152
101-775-940.000	Rentals - Equipment	1,388	1,196	414	1,200	1,399	1,399	1,200
<b>Totals for dept 775 - SPECIAL EVENTS</b>		<b>21,647</b>	<b>8,130</b>	<b>5,200</b>	<b>5,272</b>	<b>9,512</b>	<b>8,357</b>	<b>5,326</b>

**Dept 779 - FORESTRY**

101-779-703.000	Salaries/Wages - Full Time Employees	2,217	1,504	1,392	1,478	1,317	1,485	1,521
101-779-704.001	Wages - Part Time Employees	27	1,056	26	0	12	14	0
101-779-709.000	Payroll Tax - FICA/Medicare (Social Sec)	169	199	112	118	105	124	126
101-779-712.001	Medical Insurance Opt Out	35	62	61	61	52	57	135
101-779-716.000	Retirement Benefits	178	145	146	143	128	146	148
101-779-718.001	Health Insurance Premiums	80	8	7	7	7	7	7
101-779-718.012	Health Insurance - FSA - Employer Paid	16	1	0	0	0	0	0
101-779-718.013	Health Insurance - HSA - Employer Paid	0	0	0	0	0	0	0
101-779-723.001	Other Post Employment Benefits	40	0	0	0	0	0	0
101-779-725.001	Life Insurance	1	0	0	1	0	1	1
101-779-725.010	Workers Comp Insurance	73	72	43	26	20	20	26
101-779-767.000	Uniforms	4	0	0	0	0	0	0
101-779-775.000	Supplies - Repairs and Maintenance	158	17	21	100	0	0	0
101-779-931.000	Repairs and Maintenance - Equipment	4,680	3,600	3,600	1,000	0	0	0
101-779-935.001	Liability Insurance	47	49	57	63	62	62	68

101-779-940.000	Rentals - Equipment	784	0	0	600	0	0	0
101-779-960.000	Education & Training	0	0	0	0	0	0	0
<b>Totals for dept 779 - FORESTRY</b>		<b>8,509</b>	<b>6,713</b>	<b>5,465</b>	<b>3,597</b>	<b>1,703</b>	<b>1,916</b>	<b>2,032</b>

Dept 900 - **CAPITAL OUTLAY**

101-900-971.000	Capital Purchase	0	0	0	0	517,575	517,575	0
101-900-972.000	Contracted Services	0	0	0	0	0	0	500,000
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>517,575</b>	<b>517,575</b>	<b>500,000</b>

Dept 905 - **DEBT SERVICE**

101-905-992.001	Principal - City Hall Copier 2015	1,651	1,438	0	0	0	0	0
101-905-992.002	Principal - DPW Copier 2016	1,133	1,292	560	0	0	0	0
101-905-992.003	Principal - City Hall Postage Meter 2020	0	0	1,177	1,601	1,717	1,596	1,627
101-905-992.004	Principal - 2021 DPS Copier Lease	0	0	0	0	1,505	1,626	1,539
101-905-992.830	Principal - 2021 LTGO Bond - Miller Road	0	0	0	0	0	0	25,000
101-905-994.001	Interest - City Hall Copier 2015	115	32	0	0	0	0	0
101-905-994.002	Interest - DPW Copier 2016	111	64	5	0	0	0	0
101-905-994.003	Interest - City Hall Postage Meter 2020	0	0	111	116	0	121	90
101-905-994.004	Interest - 2021 DPS Copier Lease	0	0	0	0	0	147	117
101-905-994.830	Interest - 2021 LTGO Bond - Miller Road	0	0	0	0	0	0	10,900
<b>Totals for dept 905 - DEBT SERVICE</b>		<b>3,010</b>	<b>2,826</b>	<b>1,853</b>	<b>1,717</b>	<b>3,222</b>	<b>3,490</b>	<b>39,273</b>

Dept 965 - **TRANSFERS TO OTHER FUNDS**

101-965-995.230	Interfund Transfer Out - Solid Waste	0	0	18,000	6,000	5,500	6,000	18,000
101-965-995.243	Interfund Transfer Out - Brownfield	0	150,000	150,000	0	0	0	0
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>0</b>	<b>150,000</b>	<b>168,000</b>	<b>6,000</b>	<b>5,500</b>	<b>6,000</b>	<b>18,000</b>

TOTAL APPROPRIATIONS	2,145,092	2,304,610	2,450,446	2,352,156	2,622,796	2,960,688	3,215,392
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NET OF REVENUES/APPROPRIATIONS - FUND 101	(10,359)	(128,952)	52,792		35,902	115,228	(100,127)
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Estimated Cash <b>beginning of year:</b>							493,975
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Estimated Cash <b>end of year:</b>						<b>493,975</b>	<b>393,848</b>
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## Fund 202 - MAJOR STREET

6/23/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
NEW GL NUMBER	DESCRIPTION	ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
		AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET

**ESTIMATED REVENUES**

## Dept 000-OPERATIONS

202-000-540.000	State Grant	0	0	0	558,410	0	0	558,410
202-000-546.000	State Shared Revenue - Act 51 MTF	304,949	318,590	350,489	366,961	283,804	372,497	382,920
202-000-546.001	Other State Grants - Act 51	48,577	0	0	0	0	0	
202-000-582.000	County Contributions for Roads	13,145	78,793	50,462	32,381	51,065	51,065	51,600
202-000-582.001	Shared Revenue - County METRO	6,914	7,639	7,948	7,500	8,151	8,151	8,200
202-000-665.000	Interest Earned - Investments	1,587	578	311	240	320	353	300
202-000-684.000	Miscellaneous Revenue	1,151	1,751	2,797	0	2,145	2,145	0
<b>Totals for dept 000-OPERATIONS</b>		<b>376,323</b>	<b>407,351</b>	<b>412,007</b>	<b>965,492</b>	<b>345,485</b>	<b>434,211</b>	<b>1,001,430</b>

## TOTAL ESTIMATED REVENUES

376,323	407,351	412,007	965,492	345,485	434,211	1,001,430
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## APPROPRIATIONS

## Dept 452 - STREET CONSTRUCTION

202-452-703.000	Salaries/Wages - Full Time Employees	2,321	3,369	1,295	0	1,721	1,921	0
202-452-704.001	Wages - Part Time Employees	981	1,038	687	579	565	630	281
202-452-704.005	Wages - Part Time Seasonal Employees	1,182	116	0	0	0	0	0
202-452-709.000	Payroll Tax - FICA/Medicare (Social Sec)	343	336	152	44	169	189	21
202-452-712.001	Medical Insurance Opt Out	54	55	54	0	1	1	0
202-452-713.001	Overtime Pay	71	0	37	0	0	0	0
202-452-716.000	Retirement Benefits	251	336	153	0	172	192	0
202-452-718.001	Health Insurance Premiums	659	632	336	0	27	28	0
202-452-718.013	Health Insurance - HSA - Employer Paid	240	1,208	16	0	0	0	0
202-452-723.001	Other Post Employment Benefits	22	21	23	0	0	0	0
202-452-725.001	Life Insurance	2	2	2	0	2	2	0
202-452-725.010	Workers Comp Insurance	126	123	80	14	11	11	7
202-452-767.000	Uniforms	2	18	17	0	15	18	20
202-452-940.000	Rentals - Equipment	2,599	4,110	698	3,000	1,026	1,260	1,500
202-452-955.000	Miscellaneous	0	0	243	0	0	0	0
202-452-967.075	Project Costs - Non-Motorized Transport	1,968	398	975	5,000	1,896	4,350	5,000
<b>Totals for dept 452 - STREET CONSTRUCTION</b>		<b>10,821</b>	<b>11,762</b>	<b>4,768</b>	<b>8,637</b>	<b>5,605</b>	<b>8,602</b>	<b>6,829</b>

Dept 463 - **ROUTINE MAINTENANCE**

202-463-703.000	Salaries/Wages - Full Time Employees	38,609	34,151	34,399	47,182	42,730	50,289	39,248
202-463-704.001	Wages - Part Time Employees	3,906	5,862	3,261	3,476	3,461	3,992	2,434
202-463-704.005	Wages - Part Time Seasonal Employees	279	0	0	0	0	0	0
202-463-709.000	Payroll Tax - FICA/Medicare (Social Sec)	3,145	3,038	2,810	3,225	2,906	3,409	3,237
202-463-712.001	Medical Insurance Opt Out	537	812	778	648	745	828	2,220
202-463-713.001	Overtime Pay	359	638	279	0	851	951	0
202-463-716.000	Retirement Benefits	3,703	3,339	3,548	3,981	3,507	4,186	3,889
202-463-718.001	Health Insurance Premiums	5,255	4,373	4,777	6,212	4,461	4,853	4,555
202-463-718.012	Health Insurance - FSA - Employer Paid	145	9	0	0	0	0	0
202-463-718.013	Health Insurance - HSA - Employer Paid	1,589	891	3,132	2,192	1,592	1,592	1,820
202-463-723.001	Other Post Employment Benefits	813	806	847	895	821	895	1,014
202-463-725.001	Life Insurance	20	18	18	23	17	19	23
202-463-725.010	Workers Comp Insurance	948	928	817	813	612	612	725
202-463-767.000	Uniforms	303	313	255	310	250	310	372
202-463-775.000	Supplies - Repairs and Maintenance	9,977	13,344	10,748	26,977	29,492	20,387	12,000
202-463-780.000	Supplies - Storm Sewer	2,224	971	0	1,500	740	740	1,500
202-463-801.000	Engineering Services	28,291	51,686	0	0	0	0	0
202-463-801.030	Professional Services - Audit	679	679	679	679	653	653	720
202-463-803.010	GIS Mapping Costs	973	1,307	198	1,154	1,787	2,147	2,460
202-463-851.000	Postage	10	0	0	0	0	0	0
202-463-931.000	Outside Services	27,239	12,773	20,093	18,500	8,102	9,142	14,080
202-463-935.001	Liability Insurance	808	841	972	1,069	1,055	1,055	1,176
202-463-940.000	Rentals - Equipment	17,250	15,025	14,520	17,073	19,736	25,136	18,000
202-463-948.000	Computer Services	1,077	713	637	800	748	800	800
202-463-955.000	Miscellaneous	98	0	0	0	0	0	0
202-463-960.000	Education and Training	110	0	62	0	230	230	0
202-463-967.023	Project Costs - Major Street Non-Constr	47,372	308,815	31,314	100,000	3,539	23,144	103,000
<b>Totals for dept 463 - ROUTINE MAINTENANCE</b>		<b>195,719</b>	<b>461,332</b>	<b>134,144</b>	<b>236,709</b>	<b>128,035</b>	<b>155,370</b>	<b>213,273</b>

Dept 473 - **BRIDGE MAINTENANCE**

202-473-703.000	Salaries/Wages - Full Time Employees	0	33	24	0	5	5	0
202-473-716.000	Retirement Benefits	0	3	2	0	1	1	0
202-473-801.000	Engineering Services	510	1,700	0	34,800	17,170	29,000	0
202-473-931.000	Outside Services	109	0	0	500	0	0	0
202-473-934.274	Bridge Repairs - City Share	0	0	0	27,921	0	0	27,921
202-473-970.000	Capital Outlay - Bridge Construction	0	0	0	558,410	33	33	558,410
203-473-709.000	Payroll Tax - FICA/Medicare (Social Sec)	0	3	2	0	0	0	0
<b>Totals for dept 473 - BRIDGE MAINTENANCE</b>		<b>619</b>	<b>1,739</b>	<b>28</b>	<b>621,631</b>	<b>17,209</b>	<b>29,039</b>	<b>586,331</b>



**Dept 474 - TRAFFIC SERVICES**

202-474-703.000	Salaries/Wages - Full Time Employees	6,203	2,652	2,399	2,242	2,005	2,232	2,326
202-474-704.001	Wages - Part Time Employees	2,258	65	33	0	43	43	0
202-474-704.005	Wages - Part Time Seasonal	15	0	0	0	0	0	0
202-474-709.000	Payroll Tax - FICA/Medicare (Social Sec)	651	224	193	205	161	179	220
202-474-712.001	Medical Insurance Opt Out	101	101	102	67	64	70	165
202-474-713.001	Overtime Pay	392	146	0	380	0	0	380
202-474-716.000	Retirement Benefits	542	254	231	215	193	214	224
202-474-718.001	Health Insurance Premiums	331	317	337	30	27	29	0
202-474-718.013	Health Insurance - HSA - Employer Paid	120	15	16	17	0	0	0
202-474-723.001	Other Post Employment Benefits	142	135	135	123	113	123	0
202-474-725.001	Life Insurance	2	2	2	1	2	2	1
202-474-725.010	Workers Comp Insurance	130	127	122	60	45	45	59
202-474-767.000	Uniforms	29	6	6	10	4	5	12
202-474-775.000	Supplies - Repairs and Maintenance	4,402	91	0	0	0	0	0
202-474-920.000	Utilities - Electric	1,093	670	546	576	491	586	600
202-474-931.000	Outside Services	1,681	2,014	1,408	1,200	9,418	10,689	2,000
202-474-940.000	Rentals - Equipment	2,921	30	0	1,200	0	0	0
<b>Totals for dept 474 - TRAFFIC SERVICES</b>		<b>21,013</b>	<b>6,849</b>	<b>5,530</b>	<b>6,326</b>	<b>12,566</b>	<b>14,217</b>	<b>5,987</b>

**Dept 478 - WINTER MAINTENANCE**

202-478-703.000	Salaries/Wages - Full Time Employees	8,644	5,578	7,302	10,129	6,531	6,782	9,862
202-478-704.001	Wages - Part Time Employees	402	412	1,755	2,317	339	339	1,123
202-478-704.005	Wages - Part Time Seasonal	14	0	0	0	0	0	0
202-478-709.000	Payroll Tax - FICA/Medicare (Social Sec)	979	615	985	1,307	760	780	1,230
202-478-712.001	Medical Insurance Opt Out	157	183	184	162	178	199	555
202-478-713.001	Overtime Pay	4,217	2,163	4,195	4,940	3,121	3,121	4,940
202-478-716.000	Retirement Benefits	824	547	734	1,006	690	715	979
202-478-718.001	Health Insurance Premiums	1,235	1,114	1,188	1,391	1,000	1,088	1,160
202-478-718.012	Health Insurance - FSA - Employer Paid	16	1	0	0	0	0	0
202-478-718.013	Health Insurance - HSA - Employer Paid	420	54	56	450	360	360	432
202-478-723.001	Other Post Employment Benefits	226	219	220	241	221	241	325
202-478-725.001	Life Insurance	5	4	4	5	4	5	5
202-478-725.010	Workers Comp Insurance	503	492	392	412	310	310	365
202-478-767.000	Uniforms	49	24	25	30	19	22	36
202-478-775.000	Supplies - Repairs and Maintenance	9,979	13,146	10,116	12,000	2,835	2,835	12,000
202-478-931.000	Outside Services	1,293	0	0	0	0	0	0
202-478-940.000	Rentals - Equipment	10,663	3,971	7,551	11,813	7,575	7,575	8,400
<b>Totals for dept 478 - WINTER MAINTENANCE</b>		<b>39,626</b>	<b>28,523</b>	<b>34,707</b>	<b>46,203</b>	<b>23,943</b>	<b>24,372</b>	<b>41,412</b>

**Dept 482 - ADMINISTRATION - STREETS**



Fund 203 - LOCAL STREET  
6/23/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
NEW GL NUMBER	DESCRIPTION	ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
		AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET

**ESTIMATED REVENUES**

Dept 000-OPERATIONS

203-000-546.000	State Shared Revenue - Act 51 MTF	108,650	113,471	124,828	130,693	100,506	132,519	136,267
203-000-582.000	County Contributions for Roads	65,403	0	29,868	37,619	30,460	30,460	31,000
203-000-582.001	Shared Revenue - County METRO	6,914	7,639	7,948	7,500	8,151	8,151	8,300
203-000-665.000	Interest Earned - Investments	379	1,393	359	84	246	286	338
203-000-684.000	Miscellaneous Revenue	0	0	0	0	56	56	0
203-000-699.202	Interfund Transfer In - Major Streets	75,000	0	0	250,000	229,167	250,000	100,000
<b>Totals for dept 000-OPERATIONS</b>		<b>256,346</b>	<b>122,503</b>	<b>163,003</b>	<b>425,896</b>	<b>368,586</b>	<b>421,472</b>	<b>275,905</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>256,346</b>	<b>122,503</b>	<b>163,003</b>	<b>425,896</b>	<b>368,586</b>	<b>421,472</b>	<b>275,905</b>

**APPROPRIATIONS**

Dept 452 - STREET CONSTRUCTION

203-452-703.000	Salaries/Wages - Full Time Employees	3,006	5,906	2,802	2,635	1,868	1,910	2,519
203-452-704.001	Wages - Part Time Employees	26	814	418	579	376	376	281
203-452-704.005	Wages - Part Time Seasonal Employees	76	0	0	0	0	0	0
203-452-709.000	Payroll Tax - FICA/Medicare (Social Sec)	225	496	236	237	164	170	213
203-452-712.001	Medical Insurance Opt Out	68	69	68	27	35	39	120
203-452-716.000	Retirement Benefits	324	588	304	264	201	203	252
203-452-718.001	Health Insurance Premiums	823	790	842	451	367	396	384
203-452-718.013	Health Insurance - HSA - Employer Paid	300	950	40	144	120	120	144
203-452-723.001	Other Post Employment Benefits	22	21	23	19	17	19	108
203-452-725.001	Life Insurance	3	3	3	1	2	3	1
203-452-725.010	Workers Comp Insurance	158	154	166	78	59	59	66
203-452-767.000	Uniforms	2	15	16	15	11	12	18
203-452-931.000	Outside Services	587	0	0	0	0	0	0
203-452-940.000	Rentals - Equipment	1,658	2,307	1,491	2,200	729	729	1,200
203-452-967.075	Project Costs - Non-Motorized Transport	0	610	0	3,298	1,266	1,266	5,000
<b>Totals for dept 452 - STREET CONSTRUCTION</b>		<b>7,278</b>	<b>12,723</b>	<b>6,409</b>	<b>9,948</b>	<b>5,215</b>	<b>5,302</b>	<b>10,306</b>

Dept 463 - ROUTINE MAINTENANCE

203-463-703.000	Salaries/Wages - Full Time Employees	34,470	33,043	35,189	31,831	35,310	37,783	31,307
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203-463-704.001	Wages - Part Time Employees	1,373	2,983	3,135	1,738	2,462	2,601	1,591
203-463-704.005	Wages - Part Time Seasonal Employees	68	0	0	0	0	0	0
203-463-709.000	Payroll Tax - FICA/Medicare (Social Sec)	2,620	2,740	2,843	2,470	2,817	3,015	2,546
203-463-712.001	Medical Insurance Opt Out	439	662	628	486	562	623	1,620
203-463-713.001	Overtime Pay	125	1,038	471	0	556	670	0
203-463-716.000	Retirement Benefits	3,267	3,224	3,597	3,144	3,533	3,755	3,089
203-463-718.001	Health Insurance Premiums	4,519	3,834	4,248	5,176	3,814	4,150	3,482
203-463-718.012	Health Insurance - FSA - Employer Paid	113	7	0	0	0	0	0
203-463-718.013	Health Insurance - HSA - Employer Paid	1,370	1,644	2,101	1,913	1,328	1,328	1,472
203-463-723.001	Other Post Employment Benefits	456	460	518	536	491	536	602
203-463-725.001	Life Insurance	17	16	16	19	15	17	19
203-463-725.010	Workers Comp Insurance	655	641	579	518	390	390	470
203-463-767.000	Uniforms	261	268	217	260	212	260	312
203-463-775.000	Supplies - Repairs and Maintenance	6,051	11,647	18,321	15,544	14,023	14,127	15,544
203-463-780.000	Supplies - Storm Sewer	2,940	1,160	0	2,500	0	0	2,500
203-463-801.000	Engineering Services	3,230	0	0	0	0	0	0
203-463-801.013	Professional Services - Attorney	260	0	0	0	0	0	0
203-463-801.030	Professional Services - Audit	582	582	582	582	560	560	618
203-463-803.010	GIS Mapping Costs	973	1,307	198	1,154	166	166	1,200
203-463-931.000	Outside Services	10,644	15,159	8,130	11,500	13,140	15,345	14,000
203-463-935.001	Liability Insurance	618	643	743	817	806	806	899
203-463-940.000	Rentals - Equipment	10,781	9,590	15,337	13,750	10,279	10,879	13,750
203-463-948.000	Computer Services	1,077	713	637	800	748	800	800
203-463-955.000	Miscellaneous	90	0	0	0	0	0	0
203-463-960.000	Education and Training	50	0	0	0	230	230	0
203-463-970.028	Project Costs - Local Streets Non-Constr	84,543	0	0	270,000	18,659	18,659	382,000
<b>Totals for dept 463 - ROUTINE MAINTENANCE</b>		<b>171,602</b>	<b>91,361</b>	<b>97,490</b>	<b>364,738</b>	<b>110,101</b>	<b>116,700</b>	<b>477,821</b>

**Dept 474 - TRAFFIC SERVICES**

203-474-703.000	Salaries/Wages - Full Time Employees	2,563	2,409	2,238	2,222	2,217	2,488	2,306
203-474-704.001	Wages - Part Time Employees	20	76	85	0	225	289	0
203-474-709.000	Payroll Tax - FICA/Medicare (Social Sec)	197	195	183	204	192	218	220
203-474-712.001	Med Insurance Buyouts	62	88	89	81	75	82	195
203-474-713.001	Overtime Pay	0	0	0	380	0	0	380
203-474-716.000	Retirement Benefits	186	231	217	215	211	232	223
203-474-718.001	Health Insurance Premiums	82	9	7	37	7	7	7
203-474-718.012	Health Insurance - FSA - Employer Paid	16	1	0	0	0	0	0
203-474-718.013	Health Insurance - HSA - Employer Paid	0	0	0	17	0	0	0
203-474-723.001	Other Post Employment Benefits	5	0	0	0	0	0	0
203-474-725.001	Life Insurance	1	1	1	1	1	1	1
203-474-725.010	Workers Comp Insurance	55	53	61	51	38	38	50
203-474-775.000	Supplies - Repairs and Maintenance	424	94	102	200	0	0	0





Estimated Cash **end of year:**

354,576

85,866

Fund 227 (230) - **SOLID WASTE REMOVAL**  
06/24/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
NEW GL NUMBER	DESCRIPTION	ACTUAL AMOUNTS	ACTUAL AMOUNTS	ACTUAL AMOUNTS	AMENDED BUDGET	ACTUAL TO 05/31	PROJECTED TOTALS	REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 000-OPERATIONS								
230-002-403.002	Property Taxes - Solid Waste Real Prop	99,205	101,071	104,459	107,662	107,426	107,426	112,697
230-002-410.000	Current Property Taxes - Personal Prop	9,070	8,482	7,967	7,783	7,730	7,730	7,908
230-002-432.000	Payments in Lieu of Taxes - PILoTs	0	1,381	1,352	1,383	0	1,384	1,414
230-002-437.000	Industrial Facilities Tax	1,503	1,399	1,803	1,904	1,905	1,905	1,853
230-002-451.001	Special Assessment - Monthly Recycling	34,427	34,427	34,427	34,485	34,410	34,410	34,456
230-002-451.002	Special Assessment - Bulk-Trash Pickup	24,045	24,279	24,279	24,317	24,268	24,268	24,298
230-005-573.000	Local Community Stabilization Share Tax	564	261	606	0	31	31	0
230-009-665.000	Interest Earned - Investments	1,788	1,182	357	72	188	192	150
230-010-684.000	Miscellaneous Revenue	0	24,000	0	0	0	0	0
230-093-699.101	Interfund Transfer In - General Fund	0	0	18,000	6,000	5,500	6,000	18,000
<b>Totals for dept 000-OPERATIONS</b>		<b>170,602</b>	<b>196,482</b>	<b>193,250</b>	<b>183,606</b>	<b>181,458</b>	<b>183,346</b>	<b>200,776</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>170,602</b>	<b>196,482</b>	<b>193,250</b>	<b>183,606</b>	<b>181,458</b>	<b>183,346</b>	<b>200,776</b>
<b>APPROPRIATIONS</b>								
Dept 529 - <b>SOLID WASTE OPERATIONS</b>								
230-529-703.000	Salaries/Wages - Full Time Employees	54,483	51,207	50,787	59,407	46,786	52,371	58,494
230-529-704.001	Wages - Part Time Employees	4,749	8,365	10,245	14,483	3,733	4,484	7,020
230-529-704.005	Wages - Part Time Seasonal Employees	148	0	0	0	0	0	0
230-529-709.000	Payroll Tax - FICA/Medicare (Social Sec)	4,374	4,436	4,515	5,471	3,820	4,290	5,042
230-529-712.001	Medical Insurance Opt Out	764	1,007	956	702	883	984	2,700
230-529-713.001	Overtime Pay	451	146	28	380	872	872	380
230-529-716.000	Retirement Benefits	5,287	4,971	5,230	5,861	4,742	5,192	5,765
230-529-718.001	Health Insurance Premiums	8,469	7,598	8,462	10,144	7,282	7,919	7,723
230-529-718.012	Health Insurance - FSA - Employer Paid	113	7	0	0	0	0	0
230-529-718.013	Health Insurance - HSA - Employer Paid	2,905	1,775	1,128	3,662	2,558	2,558	3,024
230-529-723.001	Other Post Employment Benefits	0	1,372	1,423	1,476	1,353	1,476	1,457
230-529-725.001	Life Insurance	35	34	34	38	32	35	38
230-529-725.010	Workers Comp Insurance	1,554	1,520	1,282	1,370	1,031	1,031	1,118
230-529-751.000	Office Supplies	136	0	0	0	0	0	0
230-529-767.001	Uniforms	368	356	308	350	296	332	350

230-529-775.000	Supplies - Repairs and Maintenance	880	658	362	600	116	116	500
230-529-801.013	Professional Services - Attorney	0	0	0	0	0	819	0
230-529-801.030	Professional Services - Audit	291	291	291	291	280	280	309
230-529-802.080	Contract Services - Recycling Pickups	30,233	31,122	32,011	33,049	30,295	33,049	53,587
230-529-802.085	Contract Services - Bulk Trash Pickups	15,535	11,045	10,278	11,754	8,094	14,071	25,898
230-529-900.000	Printing and Publishing	415	0	0	0	0	0	0
230-529-931.000	Outside Services	22,857	19,201	17,775	19,500	16,100	18,350	19,500
230-529-935.001	Liability Insurance	859	894	1,033	1,136	1,121	1,121	1,233
230-529-940.000	Rentals - Equipment	31,656	34,450	33,322	33,000	27,332	28,832	32,000
230-529-948.000	Computer Services	757	478	538	500	398	473	500
<b>Totals for dept 529 - SOLID WASTE OPERATIONS</b>		<b>187,319</b>	<b>180,933</b>	<b>180,008</b>	<b>203,174</b>	<b>157,124</b>	<b>178,655</b>	<b>226,638</b>
TOTAL APPROPRIATIONS		<u>187,319</u>	<u>180,933</u>	<u>180,008</u>	<u>203,174</u>	<u>157,124</u>	<u>178,655</u>	<u>226,638</u>
NET OF REVENUES/APPROPRIATIONS - FUND 230						<u>24,334</u>	<u>4,691</u>	<u>(25,862)</u>
Estimated Cash <b>beginning of year:</b>								<u>34,329</u>
Estimated Cash <b>end of year:</b>							<u>34,329</u>	<u>8,467</u>

Fund 243 - BROWNFIELD REDEVELOPMENT AUTHORITY - BRA

6/14/2022

Draft approved by BRA/TIFA/DDA Board 6/8/2022

Original Draft approved by Council 6/13/2022

Updated revenue/expenditures approved 6/14/22

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 05/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
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ESTIMATED REVENUES

Dept 002 - TAX REVENUES

243-000-404.040	Captured Tax - AdVal Real - City	4,610	6,146	6,253	6,074	6,074	6,074	6,197
243-000-404.041	Captured Tax - AdVal Real - Library	867	1,112	1,130	1,105	1,103	1,103	1,123
243-000-404.042	Captured Tax - AdVal Real - Capital Impr	368	491	500	488	488	488	504
243-000-404.043	Captured Tax - AdVal Real - Fire Reserve	368	491	500	488	488	488	504
243-000-404.044	Captured Tax - AdVal Real - Solid Waste	478	638	649	635	635	635	656
243-000-404.047	Captured DDA-SCHOOL	9,359	12,262	12,443	20,670	20,670	20,670	19,098
243-000-404.048	Captured Tax - AdVal Real - County (All)	2,234	2,955	3,114	3,043	3,084	3,084	3,495
243-000-413.060	Captured Tax - AdVal Pers - City	549	506	473	9,283	9,283	9,283	7,163
243-000-413.061	Captured Tax - AdVal Pers - Library	103	92	86	1,688	1,685	1,685	1,298
243-000-413.062	Captured Tax - AdVal Pers - Capital Impr	44	40	38	746	746	746	583
243-000-413.063	Captured Tax - AdVal Pers - Fire Reserve	44	40	38	746	746	746	583
243-000-413.064	Captured Tax - AdVal Pers - Solid Waste	57	53	49	970	970	970	757
243-000-413.065	Captured Tax - AdVal Pers - County (All)	266	243	236	4,651	4,711	4,711	4,040
243-000-504.000	Federal Grant	0	0	3,047,183	0	847,168	1,420,138	25,000
243-000-665.000	Interest Earned - Investments	273	168	0	0	204	235	100
243-000-684.000	Miscellaneous Revenue	0	0	0	0	9,599	9,599	0
243-000-693.000	Sale of Fixed Assets - Land	0	0	0	0	0	0	0
243-000-693.020	Sale of Fixed Assets - Miscellaneous	0	0	0	0	0	0	0
243-000-696.010	Loan Proceeds	0	0	0	0	559,236	559,236	0
243-000-699.101	Interfund Transfer In - General Fund	0	150,000	150,000	0	0	0	0
243-000-699.401	Interfund Transfer In - Capital Improve	75,000	65,000	80,000	80,000	73,333	80,000	60,000
<b>Totals for dept 000 - OPERATIONS</b>		<b>94,620</b>	<b>240,237</b>	<b>3,302,692</b>	<b>130,587</b>	<b>1,540,223</b>	<b>2,119,891</b>	<b>131,101</b>

TOTAL ESTIMATED REVENUES

94,620 240,237 3,302,692 130,587 1,540,223 2,119,891 131,101

APPROPRIATIONS

Dept 443 - PUBLIC WORKS

243-443-703.000	Salaries/Wages - Full Time Employees	29,863	30,355	35,180	38,984	31,978	35,578	41,538
243-443-704.001	Wages - Part Time Employees	321	403	487	579	677	1,292	3,083
243-443-709.000	Payroll Tax - FICA/Medicare (Social Sec)	2,175	2,195	2,530	2,841	2,324	2,624	3,269
243-443-712.001	Medical Insurance Opt Out	176	200	204	122	139	153	390

243-443-716.000	Retirement Benefits	2,476	2,571	3,013	3,729	2,770	3,055	3,603
243-443-718.001	Health Insurance Premiums	5,085	5,069	6,689	6,956	6,082	6,635	7,113
243-443-718.012	Health Insurance - FSA - Employer Paid	17	1	0	0	0	0	0
243-443-718.013	Health Insurance - HSA - Employer Paid	2,034	1,426	1,722	3,237	1,908	1,908	1,992
243-443-723.001	Other Post Employment Benefits	300	297	313	283	260	284	123
243-443-725.001	Life Insurance	34	34	43	43	40	48	43
243-443-725.010	Workers Comp Insurance	395	387	324	305	230	230	240
243-443-767.000	Uniforms	61	21	21	65	16	18	65
243-443-775.000	Supplies - Repairs and Maintenance	59	0	1,051	500	0	0	0
243-443-801.000	Engineering Services	0	94,332	0	1,000	0	0	11,000
243-443-801.013	Professional Services - Attorney	3,854	10,975	1,890	2,000	3,591	5,591	3,000
243-443-801.030	Professional Services - Audit	353	353	353	353	339	339	2,874
243-443-803.015	Administrative Services - Accounting	200	0	0	0	0	0	0
243-443-830.000	Contractual Reimbursement CRA Activities	14,510	18,801	19,131	37,940	25,692	38,013	33,891
243-443-851.000	Postage	0	297	0	100	7	7	0
243-443-900.000	Printing and Publishing	0	606	0	250	0	0	250
243-443-931.000	Repairs and Maintenance - Equipment	5,621	8,627	4,027	6,000	563	687	1,000
243-443-935.001	Liability Insurance	4,725	4,917	5,683	5,700	5,624	5,624	6,186
243-443-940.000	Rentals - Equipment	1,231	1,173	1,814	2,000	1,388	2,488	3,600
243-443-948.000	Computer Services	31	10	418	500	10	10	0
243-443-955.000	Miscellaneous	0	0	68	100	0	0	0
<b>Totals for dept 443 - PUBLIC WORKS</b>		<b>73,521</b>	<b>183,050</b>	<b>84,961</b>	<b>113,587</b>	<b>83,638</b>	<b>104,584</b>	<b>123,260</b>

Dept 900 - CAPITAL OUTLAY

243-900-972.000	Contracted Services	0	70,718	4,000,815	1,089,513	903,281	1,427,554	0
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>0</b>	<b>70,718</b>	<b>4,000,815</b>	<b>1,089,513</b>	<b>903,281</b>	<b>1,427,554</b>	<b>0</b>

Dept 905 - DEBT SERVICE

243-905-991.000	Principal Payment - Interfund Loans	14,782	14,930	15,079	15,230	13,961	15,230	15,382
243-905-992.050	Interest Payment - Interfund Loans	1,843	1,695	1,546	1,395	1,279	1,395	1,242
<b>Totals for dept 905 - DEBT SERVICE</b>		<b>16,625</b>	<b>16,625</b>	<b>16,625</b>	<b>16,625</b>	<b>15,240</b>	<b>16,625</b>	<b>16,624</b>

Dept 965 - TRANSFERS TO OTHER FUNDS

243-965-965.101	Interfund Transfer Out - General Fund	0	0	0	0	0	150,000	50,000
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>50,000</b>

TOTAL APPROPRIATIONS 90,146 270,393 4,102,401 1,219,725 1,002,159 1,698,763 189,884

NET OF REVENUES/APPROPRIATIONS - FUND 244 4,474 (30,156) (799,709) (1,089,138) 538,064 421,128 (58,783)

Estimated Cash beginning of year: 93,274



Estimated Cash **end of year:**

93,274 34,491

Fund 247 (450) - TAX INCREMENT FINANCING AUTHORITY - TIFA (INDUSTRIAL PARK)

06/02/2022

Draft approved by BRA/TIFA/DDA Board 6/8/2022  
 Original Draft approved by Council 6/13/2022  
 Updated revenue/expenditures approved 6/14/22

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 05/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
<b>Dept 006 - INTERGOVERNMENTAL REVENUE - LOCAL</b>								
247-000-583.000	Local Grants	59,572	75,521	79,912	81,334	85,615	85,615	82,349
<b>Totals for dept 005 - INTERGOVERNMENTAL REVENUE - STATE</b>		<b>59,572</b>	<b>75,521</b>	<b>79,912</b>	<b>81,334</b>	<b>85,615</b>	<b>85,615</b>	<b>82,349</b>
<b>Dept 009 - INTEREST AND RENTS</b>								
247-000-665.000	Interest Earned - Investments	1,298	1,617	456	180	181	198	150
<b>Totals for dept 009 - INTEREST AND RENTS</b>		<b>1,298</b>	<b>1,617</b>	<b>456</b>	<b>180</b>	<b>181</b>	<b>198</b>	<b>150</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>60,870</b>	<b>77,138</b>	<b>80,368</b>	<b>81,514</b>	<b>85,796</b>	<b>85,813</b>	<b>82,499</b>

**APPROPRIATIONS**

**Dept 443 - PUBLIC WORKS**

247-443-703.000	Salaries/Wages - Full Time Employees	41,212	41,860	42,504	46,108	40,847	46,347	48,562
247-443-704.001	Wages - Part Time Employees	746	579	396	0	344	500	166
247-443-709.000	Payroll Tax - FICA/Medicare (Social Sec)	2,989	3,018	3,048	3,357	2,910	3,310	3,627
247-443-712.001	Medical Insurance Opt Out	279	375	388	311	327	360	855
247-443-716.000	Retirement Benefits	1,924	2,147	2,197	2,360	2,034	2,444	2,538
247-443-718.001	Health Insurance Premiums	5,162	5,041	5,903	6,828	5,847	6,372	6,719
247-443-718.012	Health Insurance - FSA - Employer Paid	65	4	0	0	0	0	0
247-443-718.013	Health Insurance - HSA - Employer Paid	1,857	1,716	1,823	3,290	1,916	1,916	1,968
247-443-723.001	Other Post Employment Benefits	14	6	19	30	28	30	0
247-443-725.001	Life Insurance	20	20	18	22	18	20	22
247-443-725.010	Workers Comp Insurance	247	241	354	249	187	187	242
247-443-775.000	Supplies - Repairs and Maintenance	0	13	0	0	0	0	0
247-443-801.013	Professional Services - Attorney	60	0	3,234	2,500	0	0	1,000
247-443-801.030	Professional Services - Audit	67	67	67	67	64	64	71
247-443-931.000	Repairs and Maintenance - Equipment	0	645	83	200	640	640	500
247-443-935.001	Liability Insurance	379	394	455	400	395	395	435
247-443-940.000	Rentals - Equipment	454	2,444	1,262	2,200	789	1,129	1,500
247-443-948.000	Computer Services	31	10	6	0	10	10	0
247-443-955.000	Miscellaneous	915	0	5,000	500	0	0	500
247-443-962.000	Memberships & Dues	295	305	0	300	0	0	300

Totals for dept 443 - <b>PUBLIC WORKS</b>	56,716	58,885	66,757	68,722	56,356	63,724	69,005
NET OF REVENUES/APPROPRIATIONS - FUND 247	4,154	18,253	13,611	12,792	29,440	22,089	13,494
Estimated Cash <b>beginning of year:</b>							<u>123,634</u>
Estimated Cash <b>end of year:</b>						123,634	<u>137,128</u>

Fund 248 - **DOWNTOWN DEVELOPMENT AUTHORITY - DDA**

6/14/2022

*Draft approved by BRA/TIFA/DDA Board 6/8/2022*  
*Original Draft approved by Council 6/13/2022*  
*Updated revenue/expenditures approved 6/14/22*

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
		ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
NEW GL NUMBER	DESCRIPTION	AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 000 - OPERATIONS								
248-000-404.030	Captured Tax - AdVal Real - City	20,969	24,516	26,174	26,174	26,636	26,636	29,290
248-000-404.031	Captured Tax - AdVal Real - Library	2,707	4,436	4,731	4,740	4,835	4,835	5,307
248-000-404.032	Captured Tax - AdVal Real - Capital Impr	1,674	1,957	2,091	2,091	2,140	2,140	2,383
248-000-404.033	Captured Tax - AdVal Real - Fire Reserve	1,674	1,957	2,091	2,091	2,140	2,140	2,383
248-000-404.034	Captured Tax - AdVal Real - Solid Waste	2,176	11,785	13,035	2,718	2,783	2,783	3,098
248-000-404.045	Captured Tax - AdVal Real - County (All)	7,988	2,544	2,718	12,591	13,519	13,519	16,518
248-000-413.060	Captured Tax - AdVal Pers - City	1,918	2,409	2,044	2,044	1,831	1,831	1,974
248-000-413.061	Captured Tax - AdVal Pers - Library	1,599	436	369	370	332	332	358
248-000-413.062	Captured Tax - AdVal Pers - Capital Impr	153	192	163	163	147	147	161
248-000-413.063	Captured Tax - AdVal Pers - Fire Reserve	153	192	163	163	147	147	161
248-000-413.064	Captured Tax - AdVal Pers - Solid Waste	199	250	212	212	191	191	209
248-000-413.065	Captured Tax - AdVal Pers - County (All)	3,105	1,158	1,018	983	929	929	1,113
248-000-583.000	Local Grants	5,668	5,894	6,828	6,874	7,236	7,236	6,835
248-000-583.001	Local Donations	0	350	1,075	0	0	0	0
248-000-642.001	DDA - Sale of Merchandise	961	978	63	0	1,340	1,340	0
248-000-642.248	DDA - Farmer's Market SNAP Sales	0	82	0	0	0	0	0
248-000-654.001	DDA - Farmers Market Entry Fee	2,390	2,577	1,790	2,200	825	2,200	2,200
248-000-654.001	DDA - Special Event Revenues	1,160	736	0	300	3,140	3,140	300
248-000-654.103	DDA Donations - Movies in the Park	500	0	0	800	0	0	0
248-000-665.000	Interest Earned - Investments	460	1,028	438	135	154	167	156
248-000-684.000	Miscellaneous Revenue	15	1,263	315	0	12	12	0
<b>Totals for dept 010 - OPERATIONS</b>		<b>55,469</b>	<b>64,740</b>	<b>65,318</b>	<b>64,649</b>	<b>68,337</b>	<b>69,725</b>	<b>72,446</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>55,469</b>	<b>64,740</b>	<b>65,318</b>	<b>64,649</b>	<b>68,337</b>	<b>69,725</b>	<b>72,446</b>

**APPROPRIATIONS**

Dept 443 - **PUBLIC WORKS**

248-443-703.000	Salaries/Wages - Full Time Employees	15,312	15,560	16,455	18,449	15,635	17,285	18,899
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248-443-704.001	Wages - Part Time Employees	842	0	0	0	0	0	458
248-443-709.000	Payroll Tax - FICA/Medicare (Social Sec)	1,123	1,065	1,127	1,334	1,054	1,165	1,408
248-443-712.001	Medical Insurance Opt Out	47	48	48	13	18	21	60
248-443-716.000	Retirement Benefits	108	69	51	132	43	47	126
248-443-718.001	Health Insurance Premiums	2,509	2,571	3,154	2,848	2,668	2,902	3,160
248-443-718.013	Health Insurance - HSA - Employer Paid	906	723	820	1,260	852	852	864
248-443-723.001	Retiree Health Care - OPEB	0	0	0	0	9	9	79
248-443-725.001	Life Insurance	0	0	2	1	2	2	1
248-443-725.010	Workers Comp Insurance	83	81	155	75	56	56	69
248-443-751.000	Office Supplies	0	13	0	0	0	0	0
248-443-775.000	Supplies - Repairs and Maintenance	40	52	20	100	16	16	50
248-443-801.013	Professional Services - Attorney	0	0	0	0	56	56	0
248-443-801.030	Professional Services - Audit	67	67	67	67	64	64	71
248-443-851.000	Postage	0	0	55	100	1	1	100
248-443-900.000	Printing and Publishing	3,539	1,450	799	1,800	1,478	1,610	1,800
248-443-931.000	Repairs and Maintenance - Equipment	479	2,820	1,035	200	110	110	200
248-443-935.001	Liability Insurance	484	503	581	616	608	608	669
248-443-940.000	Rentals - Equipment	162	0	0	200	0	200	0
248-443-948.000	Computer Services	31	10	6	50	10	10	50
248-443-955.000	Miscellaneous	241	396	174	400	451	451	400
248-443-960.000	Education & Training - Professional	25	0	75	100	175	175	200
248-443-962.000	Memberships & Dues	375	2,910	3,180	1,430	540	540	1,930
<b>Totals for dept 443 - PUBLIC WORKS</b>		<b>26,373</b>	<b>28,338</b>	<b>27,804</b>	<b>29,175</b>	<b>23,846</b>	<b>26,180</b>	<b>30,594</b>

Dept 775 - **SPECIAL EVENTS**

248-775-880.021	Special Events	825	788	316	2,000	1,042	1,042	2,850
248-775-881.022	DDA Farmers Market Expense	624	614	368	425	704	844	850
248-775-881.025	DDA Christmas Ornament Costs	1,370	0	0	800	797	797	0
248-775-881.036	DDA Movies in the Park	1,639	1,163	0	1,500	1,770	1,770	700
248-775-881.037	DDA - Farmer's Market SNAP Vendor	0	94	0	0	0	0	0
<b>Totals for dept 775 - SPECIAL EVENTS</b>		<b>4,458</b>	<b>2,659</b>	<b>684</b>	<b>4,725</b>	<b>4,313</b>	<b>4,453</b>	<b>4,400</b>

Dept 900 - **CAPITAL OUTLAY**

248-900-971.000	Capital Purchase	0	0	0	18,000	8,793	8,793	15,000
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>18,000</b>	<b>8,793</b>	<b>8,793</b>	<b>15,000</b>

Dept 905 - **DEBT SERVICE**

248-905-991.000	Principal Payment - Interfund Loans	11,550	11,666	11,783	11,900	10,908	11,900	24,159
248-905-992.050	Interest Payment - Interfund Loans	711	595	478	361	331	361	242



Totals for dept 905 - <b>DEBT SERVICE</b>	12,261	12,261	12,261	12,261	11,239	12,261	24,401
TOTAL APPROPRIATIONS	43,092	43,258	40,749	64,161	48,191	51,687	74,395
NET OF REVENUES/APPROPRIATIONS - FUND 249	12,377	21,482	24,569	488	20,146	18,038	(1,949)
Estimated Cash <b>beginning of year:</b>							<u>91,749</u>
Estimated Cash <b>end of year:</b>						91,749	<u>89,800</u>

Fund 285 - **STIMULUS GRANT FUND**  
 06/02/2022

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 05/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 004 - <b>INTERGOVERNMENTAL REVENUE - FEDERAL</b>								
285-000-528.002	Federal Grants - Other - 2021 ARPA	0	0	0	0	198,462	198,462	197,667
<b>Totals for dept 004 - INTERGOVERNMENTAL REVENUE - FEDERAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>198,462</b>	<b>198,462</b>	<b>197,667</b>
Dept 009 - <b>INTEREST AND RENTS</b>								
285-000-665.000	Interest Earned - Investments	0	0	0	0	641	962	1,500
<b>Totals for dept 009 - INTEREST AND RENTS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>641</b>	<b>962</b>	<b>1,500</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>199,103</b>	<b>199,424</b>	<b>199,167</b>
<b>APPROPRIATIONS</b>								
Dept 965 - <b>TRANSFERS TO OTHER FUNDS</b>								
285-965-995.101	Interfund Transfer Out - General	0	0	0	0	0	0	10,000
285-965-995.591	Interfund Transfer Out - Water Fund	0	0	0	0	0	0	388,591
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>398,591</b>
<b>TOTAL APPROPRIATIONS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>398,591</b>
<b>NET OF REVENUES/APPROPRIATIONS - FUND 285</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>199,103</b>	<b>199,424</b>	<b>(199,424)</b>
Estimated Cash <b>beginning of year:</b>								<u>199,424</u>
Estimated Cash <b>end of year:</b>							199,424	<u>0</u>

Fund 297 - REVOLVING LOAN FUND  
06/02/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023	
NEW GL NUMBER	DESCRIPTION	ACTUAL AMOUNTS	ACTUAL AMOUNTS	ACTUAL AMOUNTS	AMENDED BUDGET	ACTUAL TO 05/31	PROJECTED TOTALS	REQUESTED BUDGET	
<b>ESTIMATED REVENUES</b>									
Dept 000 - OPERATIONS									
297-000-619.000	Application Fees	0	0	0	0	900	900	0	
297-000-665.000	Interest Earned - Investments	491	550	189	60	62	64	60	
297-000-665.012	Interest Earned - Business Loans	275	259	202	148	152	182	442	
297-010-692.000	Loan Principal - Business	0	0	0	6,054	6,027	6,766	12,530	
<b>Totals for dept 000 - OPERATIONS</b>		<b>766</b>	<b>809</b>	<b>391</b>	<b>6,262</b>	<b>7,141</b>	<b>7,912</b>	<b>13,032</b>	
<b>TOTAL ESTIMATED REVENUES</b>		<b>766</b>	<b>809</b>	<b>391</b>	<b>6,262</b>	<b>7,141</b>	<b>7,912</b>	<b>13,032</b>	
<b>APPROPRIATIONS</b>									
297-690-881.000	Loan Payments - Business	0	0	0	10,000	39,000	39,000	10,000	
297-690-955.000	Miscellaneous	30	2,693	0	0	86	750	0	
<b>Totals for dept 690 - REDEVELOPMENT</b>		<b>30</b>	<b>2,693</b>	<b>0</b>	<b>10,000</b>	<b>39,086</b>	<b>39,750</b>	<b>10,000</b>	
<b>TOTAL APPROPRIATIONS</b>		<b>30</b>	<b>2,693</b>	<b>0</b>	<b>10,000</b>	<b>39,086</b>	<b>39,750</b>	<b>10,000</b>	
<b>NET OF REVENUES/APPROPRIATIONS - FUND 297</b>		<b>736</b>	<b>(1,884)</b>	<b>391</b>	<b>(3,738)</b>	<b>(31,945)</b>	<b>(31,838)</b>	<b>3,032</b>	
Estimated Cash <b>beginning of year:</b>								<u>10,566</u>	
Estimated Cash <b>end of year:</b>								<u>10,566</u>	<u>13,598</u>

Fund 401 - CAPITAL IMPROVEMENT FUND

6/13/2022

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 12/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 000 - OPERATIONS								
401-000-403.003	Property Taxes - Capital Improvement	76,310	77,746	80,352	82,816	82,634	82,634	86,689
401-000-410.000	Current Property Taxes-Personal Property	6,977	6,525	6,128	5,986	5,946	5,946	6,083
401-000-432.000	Payments in Lieu of Taxes - PILOTs	0	1,063	1,040	1,064	0	1,065	1,088
401-000-437.000	Industrial Facilities Tax	1,156	1,076	1,387	1,387	1,465	1,465	1,425
401-000-540.000	State Grant	0	45,000	0	0	0	0	11,000
401-000-573.000	Local Community Stabilization Share Tax	434	201	466	0	0	0	0
401-000-665.000	Interest Earned - Investments	1,478	1,307	323	60	148	150	60
<b>Totals for dept 000 - OPERATIONS</b>		<b>86,355</b>	<b>132,918</b>	<b>89,696</b>	<b>91,313</b>	<b>90,193</b>	<b>91,260</b>	<b>106,345</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>86,355</b>	<b>132,918</b>	<b>89,696</b>	<b>91,313</b>	<b>90,193</b>	<b>91,260</b>	<b>106,345</b>
<b>APPROPRIATIONS</b>								
Dept 900 - CAPITAL OUTLAY								
401-900-801.030	Professional Services - Audit	97	97	97	97	93	93	103
401-900-971.000	Capital Purchase	0	27,580	4,829	0	0	0	50,766
401-900-972.000	Contracted Services	0	64,971	850	0	0	0	0
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>97</b>	<b>92,648</b>	<b>5,776</b>	<b>97</b>	<b>93</b>	<b>93</b>	<b>50,869</b>
Dept 965 - TRANSFERS TO OTHER FUNDS								
401-965-995.243	Interfund Transfer Out - Brownfield	75,000	65,000	80,000	80,000	73,333	80,000	60,000
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>75,000</b>	<b>65,000</b>	<b>80,000</b>	<b>80,000</b>	<b>73,333</b>	<b>80,000</b>	<b>60,000</b>
<b>TOTAL APPROPRIATIONS</b>		<b>75,097</b>	<b>157,648</b>	<b>85,776</b>	<b>80,097</b>	<b>73,426</b>	<b>80,093</b>	<b>110,869</b>
<b>NET OF REVENUES/APPROPRIATIONS - FUND 402</b>		<b>11,258</b>	<b>(24,730)</b>	<b>3,920</b>	<b>11,216</b>	<b>16,767</b>	<b>11,167</b>	<b>(4,524)</b>
Estimated Cash <b>beginning of year:</b>								<u>49,401</u>
Estimated Cash <b>end of year:</b>								<u>49,401</u> <u>44,877</u>

Fund 402 - FIRE RESERVE CAPITAL IMPROVEMENT FUND  
6/13/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
NEW GL NUMBER	DESCRIPTION	ACTUAL AMOUNTS	ACTUAL AMOUNTS	ACTUAL AMOUNTS	AMENDED BUDGET	ACTUAL TO 05/31	PROJECTED TOTALS	REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 000-OPERATIONS								
402-002-403.001	Property Taxes - Fire Reserve Real Prop	76,310	77,746	80,352	82,816	82,634	82,634	86,689
402-002-410.000	Current Property Taxes - Personal Prop	6,977	6,525	6,128	5,986	5,946	5,946	6,083
402-002-432.000	Payments in Lieu of Taxes - PILoTs	0	1,063	1,040	1,064	0	1,065	1,088
402-002-437.000	Industrial Facilities Tax	1,156	1,076	1,387	1,465	1,465	1,465	1,853
402-005-573.000	Local Community Stabilization Share Tax	434	201	466	0	0	0	0
402-009-665.000	Interest Inc-Investments	1,498	1,786	634	144	527	599	300
<b>Totals for dept 000-OPERATIONS</b>		<b>86,375</b>	<b>88,397</b>	<b>90,007</b>	<b>91,475</b>	<b>90,572</b>	<b>91,709</b>	<b>96,013</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>86,375</b>	<b>88,397</b>	<b>90,007</b>	<b>91,475</b>	<b>90,572</b>	<b>91,709</b>	<b>96,013</b>
<b>APPROPRIATIONS</b>								
Dept 900 - CAPITAL OUTLAY								
402-900-801.030	Professional Services - Audit	97	97	97	97	93	93	103
402-900-931.000	Outside Services	10,251	2,580	0	0	0	0	0
402-900-986.000	Capital Purchase	0	0	0	10,000	0	42,946	0
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>10,348</b>	<b>2,677</b>	<b>97</b>	<b>10,097</b>	<b>93</b>	<b>43,039</b>	<b>103</b>
Dept 905 - DEBT SERVICE								
402-905-991.010	Principal Payment - Bond	19,000	20,000	20,000	21,000	21,000	21,000	22,000
402-905-992.010	Interest Payment - Bond	43,716	43,003	42,253	41,504	41,503	41,504	40,716
<b>Totals for dept 905 - DEBT SERVICE</b>		<b>62,716</b>	<b>63,003</b>	<b>62,253</b>	<b>62,504</b>	<b>62,503</b>	<b>62,504</b>	<b>62,716</b>
Dept 965 - TRANSFERS TO OTHER FUNDS								
402-965-995.101	Interfund Transfer Out - General	18,600	15,000	15,000	15,000	13,750	15,000	15,000
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>18,600</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>13,750</b>	<b>15,000</b>	<b>15,000</b>
<b>TOTAL APPROPRIATIONS</b>		<b>91,664</b>	<b>80,680</b>	<b>77,350</b>	<b>87,601</b>	<b>76,346</b>	<b>120,543</b>	<b>77,819</b>
<b>NET OF REVENUES/APPROPRIATIONS - FUND 402</b>		<b>(5,289)</b>	<b>7,717</b>	<b>12,657</b>	<b>3,874</b>	<b>14,226</b>	<b>(28,834)</b>	<b>18,194</b>
Estimated Cash beginning of year:								58,084



Estimated Cash **end of year:**

58,084 76,278

Fund 295 (581) - AIRPORT FUND

06/02/2022

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 05/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
<b>Dept 000 - OPERATIONS</b>								
581-000-540.000	State Grant	0	0	0	0	0	0	0
581-000-642.001	Airport Fuel Sales	21,588	21,803	24,500	21,500	31,556	40,067	50,393
581-000-665.000	Interest Earned - Investments	223	369	131	48	55	60	60
581-000-667.040	Rents - Airport	23,084	24,210	24,216	21,560	22,477	22,406	24,930
581-000-667.050	Rents - Billboard	8,000	8,000	6,379	6,000	6,106	6,106	6,000
581-000-675.030	Pilot's Assoc Donations	1,371	0	0	0	0	0	0
581-000-684.000	Miscellaneous Revenue	0	0	0	0	0	0	0
<b>Totals for dept 000 - OPERATIONS</b>		<b>54,266</b>	<b>54,382</b>	<b>55,226</b>	<b>49,108</b>	<b>60,194</b>	<b>68,639</b>	<b>81,383</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>54,266</b>	<b>54,382</b>	<b>55,226</b>	<b>49,108</b>	<b>60,194</b>	<b>68,639</b>	<b>81,383</b>

**Dept 595 - AIRPORT OPERATIONS**

581-595-703.000	Salaries/Wages - Full Time Employees	1,419	1,767	2,889	2,635	849	1,000	2,519
581-595-704.001	Wages - Part Time Employees	105	276	326	683	99	117	388
581-595-704.005	Wages - Part Time Seasonal Employees	123	0	0	0	0	0	0
581-595-709.000	Payroll Tax - FICA/Medicare (Social Sec)	120	137	233	244	73	126	221
581-595-712.001	Medical Insurance Opt Out	27	27	27	27	34	39	120
581-595-716.000	Retirement Benefits	151	156	289	263	99	112	252
581-595-718.001	Health Insurance Premiums	414	402	336	451	327	356	387
581-595-718.013	Health Insurance - HSA - Employer Paid	144	15	421	144	120	120	144
581-595-723.001	Other Post Employment Benefits	11	10	12	19	17	19	108
581-595-725.001	Life Insurance	1	1	1	1	1	1	1
581-595-725.010	Workers Comp Insurance	63	62	54	80	60	60	68
581-595-751.000	Office Supplies	0	153	0	0	772	772	0
581-595-759.000	Gasoline	20,544	19,220	19,053	18,000	30,141	40,623	49,140
581-595-759.003	Airport Fuel - Sales Tax	971	1,217	1,354	1,290	1,696	1,900	3,000
581-595-767.000	Uniforms	5	6	92	9	4	9	9
581-595-775.000	Supplies - Repairs and Maintenance	2,218	1,046	2,958	1,748	848	1,147	1,600
581-595-801.030	Professional Services - Audit	97	97	97	97	93	93	103
581-595-803.030	Administrative Services - PILOT	5,458	5,697	5,507	5,900	5,408	5,900	5,965
581-595-850.000	Communications - Land Line Phones	2,030	2,716	3,006	3,300	646	1,011	4,380

581-595-920.000	Utilities - Electric	1,764	2,065	2,218	2,640	2,313	2,773	2,880
581-595-930.001	Repair & Maintenance - Land & Bldgs	5,000	0	0	0	0	0	0
581-595-931.000	Outside Services	9,021	3,427	5,024	4,800	3,194	5,778	3,800
581-595-935.001	Liability Insurance	3,575	3,296	3,981	4,379	4,104	4,104	4,514
581-595-940.000	Rentals - Equipment	841	957	2,061	1,200	166	400	800
581-595-948.000	Computer Services	204	78	314	200	226	226	300
581-595-955.000	Miscellaneous	0	15	0	0	0	0	0
581-595-963.000	Licenses - Airport Registration	50	50	50	50	50	50	50
581-595-968.000	Depreciation Expense	3,711	3,626	3,626	0	0	0	0
<b>Totals for dept 595 - AIRPORT OPERATIONS</b>		<b>58,067</b>	<b>46,519</b>	<b>53,929</b>	<b>48,160</b>	<b>51,340</b>	<b>66,736</b>	<b>80,749</b>
TOTAL APPROPRIATIONS		58,067	46,519	53,929	48,160	51,340	66,736	80,749
NET OF REVENUES/APPROPRIATIONS - FUND 581		<b>(3,801)</b>	<b>7,863</b>	<b>1,297</b>	<b>948</b>	<b>8,854</b>	<b>1,903</b>	<b>634</b>
Estimated Cash <b>beginning of year:</b>								<u>36,141</u>
Estimated Cash <b>end of year:</b>							36,141	<u>36,775</u>

Fund 590 - SEWER FUND

06/24/2022

2022-2023 Budget

NEW GL NUMBER	DESCRIPTION	18-19 ACTUAL AMOUNTS	19-20 ACTUAL AMOUNTS	20-21 ACTUAL AMOUNTS	21-22 AMENDED BUDGET	21-22 ACTUAL TO 12/31	21-22 PROJECTED TOTALS	2022-2023 REQUESTED BUDGET
<b>ESTIMATED REVENUES</b>								
<b>Dept 004 - INTERGOVERNMENTAL REVENUE - FEDERAL</b>								
590-000-504.000	Federal Grant	0	33,742	0	0	0	0	0
<b>Totals for dept 004 - INTERGOVERNMENTAL REVENUE - FEDERAL</b>		<b>0</b>	<b>33,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Dept 005 - INTERGOVERNMENTAL REVENUE - STATE</b>								
590-000-545.000	State Grant	414,788	349,876	200,016	0	0	0	0
<b>Totals for dept 005 - INTERGOVERNMENTAL REVENUE - STATE</b>		<b>414,788</b>	<b>349,876</b>	<b>200,016</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Dept 007 - CHARGES FOR SERVICES</b>								
590-000-629.010	Extra Strength Waste - Gun Plain Twp	930	1,014	1,649	1,590	2,082	2,271	2,708
590-000-629.020	Extra Strength Waste - Martin Village	1,302	3,733	2,053	2,850	1,065	1,162	1,115
590-000-629.030	Extra Strength Waste - Otsego Township	22,498	18,545	19,443	26,505	18,012	19,649	16,090
590-000-630.050	IPP - Administrative/Permit Fees	700	700	700	700	700	700	700
590-000-635.000	Utility Connection Charge - Inside City	2,500	7,500	2,500	0	2,500	2,500	0
590-000-637.000	Readiness to Serve (Capital) - City	205,068	204,005	198,977	222,287	192,657	210,171	211,304
590-000-637.010	Readiness to Serve (Capital) - Gun Plain	49,934	53,730	53,199	60,348	50,811	55,430	56,004
590-000-637.020	Readiness to Serve (Capital) - Martin VI	48,669	39,574	37,709	42,369	38,493	41,992	41,227
590-000-637.030	Readiness to Serve (Capital) - Otsego Tw	107,142	98,113	100,607	108,180	100,264	109,379	106,687
590-000-642.000	Metered Services (O&M) - City	459,446	459,963	447,867	500,146	433,506	472,916	475,074
590-000-642.010	Metered Services (O&M) - Gun Plain Twp	112,641	121,144	119,746	135,782	114,324	124,717	125,915
590-000-642.020	Metered Services (O&M) - Martin Village	112,260	91,459	88,000	97,657	88,718	96,783	96,267
590-000-642.030	Metered Services (O&M) - Otsego Township	241,693	221,214	226,458	243,404	225,594	246,103	239,865
590-000-644.000	IPP Billed - City	6,322	6,036	5,700	5,975	6,155	6,715	6,507
590-000-644.010	IPP Billed - Gun Plain Township	1,150	1,134	1,110	1,027	1,169	1,275	1,091
590-000-644.020	IPP Billed - Martin Village	645	617	358	105	330	360	162
590-000-644.030	IPP Billed - Otsego Township	5,529	4,408	4,339	4,189	4,798	5,234	4,654
590-000-658.000	Utility Billing Penalty Charges	0	10,176	9,953	10,000	9,929	10,832	10,000
<b>Totals for dept 007 - CHARGES FOR SERVICES</b>		<b>1,378,429</b>	<b>1,343,065</b>	<b>1,320,368</b>	<b>1,463,114</b>	<b>1,291,107</b>	<b>1,408,189</b>	<b>1,395,370</b>
<b>Dept 009 - INTEREST AND RENTS</b>								
590-000-665.000	Interest Earned - Investments	9,600	15,109	4,065	1,560	1,689	1,843	1,560
590-000-665.014	Interest - Interfund Loans	415	379	343	306	281	306	269
<b>Totals for dept 009 - INTEREST AND RENTS</b>		<b>10,015</b>	<b>15,488</b>	<b>4,408</b>	<b>1,866</b>	<b>1,970</b>	<b>2,149</b>	<b>1,829</b>

Dept 010 - **OTHER REVENUES**

590-000-673.020	Sale of Fixed Assets - Miscellaneous	500	0	0	0	0	0	0
590-000-684.000	Miscellaneous Revenue	9,655	8,441	12,990	0	14,557	14,557	0
590-000-692.003	Other Financing - Insurance Proceeds	0	18,553	0	0	0	2,132	0
<b>Totals for dept 010 - OTHER REVENUES</b>		<b>10,155</b>	<b>26,994</b>	<b>12,990</b>	<b>0</b>	<b>14,557</b>	<b>16,689</b>	<b>0</b>

Dept 093 - **TRANSFERS FROM OTHER FUNDS**

590-000-699.203	Interfund Transfer In - Local Streets	0	0	0	3,693	3,385	3,693	3,730
<b>Totals for dept 093 - TRANSFERS FROM OTHER FUNDS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3,693</b>	<b>3,385</b>	<b>3,693</b>	<b>3,730</b>

TOTAL ESTIMATED REVENUES

1,813,387	1,769,165	1,537,782	1,468,673	1,311,019	1,430,720	1,400,929
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APPROPRIATIONS

Dept 540 - **PUMPING & TREATMENT**

590-540-703.000	Salaries/Wages - Full Time Employees	113,840	109,733	115,690	123,570	103,267	113,898	132,292
590-540-704.001	Wages - Part Time Employees	1,703	527	798	735	8,948	11,078	27,191
590-540-709.000	Payroll Tax - FICA/Medicare (Social Sec)	9,886	8,695	9,364	10,241	9,163	10,149	13,171
590-540-712.001	Medical Insurance Opt Out	2,397	2,628	2,616	2,700	2,331	2,567	6,420
590-540-713.001	Overtime Pay	13,252	10,179	12,980	13,350	11,066	11,865	13,300
590-540-716.000	Retirement Benefits	10,497	10,644	11,236	12,263	10,532	11,552	13,104
590-540-718.001	Health Insurance Premiums	15,663	14,986	16,758	19,604	17,239	18,771	17,941
590-540-718.013	Health Insurance - HSA - Employer Paid	5,832	6,784	6,005	6,336	6,168	6,168	6,336
590-540-723.001	Other Post Employment Benefits	1,567	1,336	232	2,986	2,737	2,986	2,510
590-540-723.075	OPEB GASB 75 Costs	1,093	10,015	16,943	0	0	0	0
590-540-723.076	Contributions to OPEB Trust	0	0	1,516	0	0	0	0
590-540-725.001	Life Insurance	64	67	67	72	61	67	72
590-540-725.010	Workers Comp Insurance	3,740	3,658	2,635	1,908	1,436	1,436	2,385
590-540-751.000	Office Supplies	276	0	19	0	50	50	0
590-540-752.000	Operating Supplies	39,438	38,359	44,995	42,000	37,232	46,000	46,000
590-540-754.000	Supplies - Safety	454	1,466	2,360	1,500	1,787	1,787	1,900
590-540-767.000	Uniforms	451	388	325	384	307	379	461
590-540-775.000	Supplies - Repairs and maintenance	11,857	24,976	17,388	34,883	49,782	51,782	30,000
590-540-801.000	Engineering Services	305,044	242,476	89,725	1,200	45,970	54,070	1,200
590-540-850.000	Communications - Land Line Phones	380	360	362	384	330	360	360
590-540-850.001	Communications - Cell Phones	604	505	90	0	0	0	0
590-540-920.000	Utilities - Electric	94,948	92,748	93,493	94,800	86,500	94,016	99,540
590-540-921.000	Utilities - Natural Gas	17,953	12,463	19,619	21,430	23,210	24,813	23,573
590-540-922.000	Utilities - Water/Sewer	1,016	1,259	1,696	1,300	1,187	1,484	1,500
590-540-930.001	Repair & Maintenance - Land & Bldgs	30	52	211	400	1,003	1,003	1,100
590-540-931.000	Outside Services	100,611	97,518	79,507	91,353	84,557	90,581	110,000

590-540-934.000	Repairs & Maintenance - Sludge Pumping	17,376	21,177	19,024	20,926	18,289	18,289	21,926
590-540-940.000	Rentals - Equipment	7,058	248	38,195	7,200	14,631	15,629	11,970
590-540-955.000	Miscellaneous	215	0	0	0	0	0	0
590-540-960.000	Education & Training - Professional	206	1,815	70	600	71	600	600
590-540-968.000	Depreciation Expense	327,250	333,287	332,110	0	0	0	0
<b>Totals for dept 540 - PUMPING &amp; TREATMENT</b>		<b>1,104,701</b>	<b>1,048,349</b>	<b>936,029</b>	<b>512,125</b>	<b>537,854</b>	<b>591,380</b>	<b>584,852</b>

**Dept 546 - INDUSTRIAL PRE-TREATMENT**

590-546-703.000	Salaries/Wages - Full Time Employees	4,807	6,193	3,812	5,963	3,273	3,620	6,275
590-546-709.000	Payroll Tax - FICA/Medicare (Social Sec)	354	439	319	460	239	265	488
590-546-712.001	Medical Insurance Opt Out	75	82	82	54	69	89	120
590-546-713.001	Overtime Pay	71	33	453	380	0	0	380
590-546-716.000	Retirement Benefits	484	604	366	581	364	395	612
590-546-718.001	Health Insurance Premiums	1,098	1,101	1,239	1,184	1,093	1,189	1,231
590-546-718.013	Health Insurance - HSA - Employer Paid	384	181	130	336	336	336	336
590-546-723.001	Other Post Employment Benefits	44	36	0	70	65	70	38
590-546-725.001	Life Insurance	3	3	3	3	3	3	3
590-546-725.010	Workers Comp Insurance	163	159	132	71	53	53	63
590-546-752.000	Operating Supplies	0	0	83	0	0	0	0
590-546-767.000	Uniforms	6	0	6	0	13	13	0
590-546-801.000	Engineering Services	1,832	2,551	620	1,500	1,648	1,708	1,500
590-546-801.013	Professional Services - Attorney	0	2,646	254	0	0	0	0
590-546-801.022	Professional Services - Samples & Tests	1,765	1,755	4,250	4,000	757	2,909	4,000
<b>Totals for dept 546 - INDUSTRIAL PRE-TREATMENT</b>		<b>11,086</b>	<b>15,783</b>	<b>11,749</b>	<b>14,602</b>	<b>7,913</b>	<b>10,650</b>	<b>15,046</b>

**Dept 550 - COLLECTION**

590-550-703.000	Salaries/Wages - Full Time Employees	29,557	27,930	21,774	21,187	23,035	24,820	21,608
590-550-704.001	Wages - Part Time Employees	482	569	429	579	537	543	281
590-550-709.000	Payroll Tax - FICA/Medicare (Social Sec)	2,498	2,263	1,724	1,832	1,849	1,994	1,907
590-550-712.001	Medical Insurance Opt Out	458	602	599	540	472	521	1,380
590-550-713.001	Overtime Pay	3,885	2,150	719	2,330	1,168	1,168	2,280
590-550-716.000	Retirement Benefits	2,605	2,732	2,145	2,053	2,166	2,333	2,089
590-550-718.001	Health Insurance Premiums	4,746	4,291	4,497	2,100	2,210	2,357	1,820
590-550-718.012	Health Insurance - FSA - Employer Paid	81	5	0	0	0	0	0
590-550-718.013	Health Insurance - HSA - Employer Paid	1,440	2,088	651	672	1,104	1,104	672
590-550-723.001	Other Post Employment Benefits	455	423	379	497	456	497	419
590-550-725.001	Life Insurance	19	18	15	11	14	16	11
590-550-725.010	Workers Comp Insurance	1,143	1,118	909	461	347	347	433
590-550-752.000	Operating Supplies	11,537	10,966	22,629	24,720	24,231	36,231	25,200
590-550-767.000	Uniforms	647	357	407	259	229	402	482
590-550-775.000	Supplies - Repairs and maintenance	4,712	268	3,271	3,268	333	537	500
590-550-801.000	Engineering Services	159,552	147,213	96,147	0	0	0	0



590-550-931.000	Repairs and Maintenance - Equipment	975	2,973	1,256	2,125	3,441	2,816	2,000
590-550-940.000	Rentals - Equipment	2,949	4,163	2,692	4,145	3,571	3,931	4,000
590-550-955.000	Miscellaneous	260	0	16,571	0	0	0	0
590-550-960.000	Education & Training - Professional	90	0	0	0	0	0	0
<b>Totals for dept 550 - COLLECTION</b>		<b>228,091</b>	<b>210,129</b>	<b>176,814</b>	<b>66,779</b>	<b>65,163</b>	<b>79,617</b>	<b>65,082</b>

Dept 560 - **UTILITY ADMINISTRATION**

590-560-703.000	Salaries/Wages - Full Time Employees	73,361	72,316	64,555	69,844	63,748	72,424	71,866
590-560-704.001	Wages - Part Time Employees	99	65	33	0	0	0	0
590-560-709.000	Payroll Tax - FICA/Medicare (Social Sec)	5,174	5,138	4,644	5,038	4,570	5,186	5,208
590-560-712.001	Medical Insurance Opt Out	109	424	422	419	356	391	930
590-560-716.000	Retirement Benefits	7,187	6,974	6,210	6,741	6,929	7,776	6,943
590-560-718.001	Health Insurance Premiums	12,074	11,648	13,018	13,955	12,745	14,070	15,155
590-560-718.012	Health Insurance - FSA - Employer Paid	194	13	0	0	0	0	0
590-560-718.013	Health Insurance - HSA - Employer Paid	3,696	4,490	4,158	3,696	3,696	3,696	3,696
590-560-723.001	Other Post Employment Benefits	9	0	0	0	0	0	0
590-560-725.001	Life Insurance	27	25	25	28	23	25	28
590-560-725.010	Workers Comp Insurance	1,325	1,296	1,044	721	543	543	626
590-560-751.000	Office Supplies	592	734	1,243	650	215	285	400
590-560-767.000	Uniforms	529	554	604	600	631	631	600
590-560-801.000	Engineering Services	0	1,268	233	0	2,450	2,450	0
590-560-801.013	Professional Services - Attorney	832	92	0	0	0	0	0
590-560-801.030	Professional Services - Audit	1,927	1,612	1,456	1,456	1,399	1,399	1,544
590-560-803.010	GIS Mapping Costs	1,503	2,020	306	1,154	257	257	1,200
590-560-803.030	Administrative Services - PILOT	247,309	248,821	250,432	252,486	231,446	252,486	250,983
590-560-850.000	Communications - Land Line Phones	930	658	667	696	609	663	720
590-560-850.000	Communications - Cell Phones	347	376	769	864	719	796	869
590-560-851.000	Postage	3,507	3,616	3,493	3,600	4,284	4,634	4,200
590-560-900.000	Printing and Publishing	0	0	0	0	730	730	0
590-560-931.000	Outside Services	1,722	732	1,570	1,596	777	722	840
590-560-935.001	Liability Insurance	9,880	10,280	11,881	13,069	12,896	12,986	14,375
590-560-948.000	Computer Services	2,977	4,066	18,437	3,825	2,677	3,077	3,000
590-560-955.000	Miscellaneous	4,908	6,412	5,695	7,800	6,937	0	0
590-560-955.997	UB Penalty Charges Waived	0	3,510	3,091	0	0	0	0
590-560-955.998	Credit Card Transaction Fees	0	1,089	0	0	0	0	0
590-560-955.999	Bank Service Charges	1,130	1,152	1,108	1,200	897	1,088	1,140
590-560-960.000	Education & Training - Professional	100	307	154	500	50	102	500
590-560-962.000	Memberships & Dues	0	217	217	300	220	220	300
590-560-963.001	Permits - Storm Water Annual	0	0	0	0	260	7,197	7,800
<b>Totals for dept 560 - UTILITY ADMINISTRATION</b>		<b>381,448</b>	<b>389,905</b>	<b>395,465</b>	<b>390,238</b>	<b>360,064</b>	<b>393,834</b>	<b>392,923</b>

Dept 900 - **CAPITAL OUTLAY**

590-900-801.000	Engineering Services	2,000	0	0	0	0	0	0
590-900-971.000	Capital Purchase	0	(6,952)	(82)	348,000	49,667	49,667	318,000
<b>Totals for dept 900 - CAPITAL OUTLAY</b>		<b>2,000</b>	<b>(6,952)</b>	<b>(82)</b>	<b>348,000</b>	<b>49,667</b>	<b>49,667</b>	<b>318,000</b>

Dept 905 - **DEBT SERVICE**

590-905-991.012	Principal Payment - SRF Bond	0	0	0	125,000	125,000	125,000	125,000
590-905-992.000	Interest SRF	53,837	50,868	50,868	45,414	45,556	45,556	42,289
<b>Totals for dept 905 - DEBT SERVICE</b>		<b>53,837</b>	<b>50,868</b>	<b>50,868</b>	<b>170,414</b>	<b>170,556</b>	<b>170,556</b>	<b>167,289</b>

Dept 965 - **TRANSFERS TO OTHER FUNDS**

590-965-995.591	Interfund Transfer Out - Water Fund	0	20,000	0	0	0	0	0
<b>Totals for dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>0</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

TOTAL APPROPRIATIONS	1,781,163	1,728,082	1,570,843	1,502,158	1,191,217	1,295,704	1,543,192
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NET OF REVENUES/APPROPRIATIONS - FUND 590	32,224	41,083	(33,061)	(33,485)	119,802	135,016	(142,263)
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Estimated Cash <b>beginning of year:</b>							<u>1,117,587</u>
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Estimated Cash <b>end of year:</b>						1,117,587	<u><u>975,324</u></u>
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Fund 591 - WATER FUND

06/15/2022

2022-2023 Budget	18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
NEW GL NUMBER	ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
	AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET

ESTIMATED REVENUES

Dept 000-OPERATIONS

591-000-504.000	Federal Grant	0	110,927	0	0	0	0
591-000-539.000	State Grant	3,750	4,125	0	0	27,044	212,050
591-000-635.010	Utility Connection Charge - Inside	10,316	6,620	6,825	0	5,555	0
591-000-635.010	Utility Connection Charge - Outside	0	0	0	0	3,310	0
591-000-637.000	Ready to Service Charge - City	178,495	183,425	189,280	192,378	178,210	206,554
591-000-637.010	Ready to Service Charge - Gun Plain	17,701	19,361	20,628	21,906	19,930	22,578
591-000-642.000	Metered Services (O & M) - City	243,253	249,347	265,923	281,849	236,440	272,267
591-000-642.010	Metered Services (O & M) - Gun Plain Twp	20,990	25,563	31,737	32,398	25,362	32,615
591-000-651.000	Use Fees - Water Turn-Ons	4,710	4,226	1,048	3,600	1,484	1,200
591-000-658.000	Utility Billing Penalty Charges	0	6,077	5,959	6,000	6,276	6,000
591-000-665.000	Interest Inc-Investments	2,264	565	326	225	421	500
591-000-665.014	Interest - Interfund Loans	209	184	158	133	122	107
591-000-667.000	Rents - Water Tower	14,920	16,652	14,545	12,000	12,322	12,000
591-000-676.590	Inter-fund loan from Sewer	0	20,000	0	0	0	0
591-000-688.000	Miscellaneous Revenue	9,837	939	1,765	0	9,291	500
591-000-692.001	Other Financing Source - Workers Comj	0	1,514	27,761	0	0	0
591-000-699.202	Interfund Transfer In - Major Streets	0	0	0	2,601	2,384	2,627
591-000-699.285	Interfund Transfer In - ARPA Stimulus	0	0	0	0	0	388,591
<b>Totals for dept 000-OPERATIONS</b>		<b>506,445</b>	<b>649,525</b>	<b>565,955</b>	<b>553,090</b>	<b>528,151</b>	<b>1,157,589</b>

<b>TOTAL ESTIMATED REVENUES</b>	<b>506,445</b>	<b>649,525</b>	<b>565,955</b>	<b>553,090</b>	<b>528,151</b>	<b>570,945</b>	<b>1,157,589</b>
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APPROPRIATIONS

Dept 540-PUMPING & TREATMENT

591-540-703.000	Full Time Wages	32,621	34,627	31,579	30,528	34,581	29,896
591-540-704.001	Part Time Wages	1,383	1,149	617	709	810	414
591-540-704.005	Wages - Part Time Seasonal Employ	61	0	0	0	0	0
591-540-709.000	Social Security (FICA)	2,799	2,908	2,720	2,804	2,886	2,793

591-540-712.001	Med Insurance Buyouts	214	247	245	378	477	536	1,440
591-540-713.001	Overtime Wages-Extra Time	4,805	3,782	5,072	6,530	4,040	4,201	6,080
591-540-716.000	Retirement Benefits	3,091	3,457	3,095	2,922	3,281	3,658	2,813
591-540-718.001	Health Insurance	4,373	4,273	4,562	4,520	3,923	4,212	3,850
591-540-718.012	FSA - Employer Paid	18	1	0	0	0	0	0
591-540-718.013	HSA - Employer Paid	1,320	1,553	1,294	1,440	2,064	2,064	1,440
591-540-723.001	Other Post Employee Benefits	258	243	220	398	364	398	1,082
591-540-723.075	OPEB GASB 75 Costs	(64)	7,201	11,654	0	0	0	0
591-540-725.001	Life Insurance	17	17	13	15	12	14	15
591-540-725.010	Workers Comp Insurance	1,123	1,098	917	879	662	662	821
591-540-752.000	Operating Supplies	5,959	4,699	4,822	4,837	4,932	5,151	5,200
591-540-767.000	Uniforms	299	71	176	200	165	179	240
591-540-775.000	Rep & Maint Supplies	1,825	2,365	1,244	1,800	3,165	3,849	2,400
591-540-801.000	Prof Services - Engineering	48,310	5,191	5,650	5,200	18,190	23,190	6,000
591-540-801.050	Prof Serv-WA Well/Pump Mt	2,400	1,600	1,600	1,600	1,600	36,364	1,600
591-540-920.000	Utilities - Electric	28,669	23,621	20,773	22,800	21,885	26,030	28,800
591-540-921.000	Utilities - Natural Gas	982	708	874	900	1,363	1,541	1,600
591-540-930.001	Rep & Maint-Building	0	423	383	700	0	0	0
591-540-931.000	Outside Services	9,178	25,973	11,679	8,000	4,611	5,111	6,000
591-540-940.000	Equipment Rental	10,495	7,117	13,187	11,000	11,099	12,310	13,200
591-540-948.000	Computer Services	97	0	0	0	0	0	0
591-540-955.000	Miscellaneous	1,338	0	0	0	2,340	2,340	1,340
591-540-960.000	Education & Training - Professional Ed	0	955	0	0	1,567	1,567	1,100
591-540-968.000	Depreciation Expense	136,148	136,107	102,280	0	0	0	0
<b>Totals for dept 540-PUMPING &amp; TREATMENT</b>		<b>297,719</b>	<b>269,386</b>	<b>224,656</b>	<b>108,160</b>	<b>124,017</b>	<b>176,089</b>	<b>118,124</b>

**Dept 545-DISTRIBUTION**

591-545-703.000	Full Time Wages	34,940	34,182	29,429	31,057	23,091	26,756	31,381
591-545-704.001	Part Time Wages	1,486	1,550	1,234	1,159	1,078	1,398	562
591-545-704.005	Wages - Part Time Seasonal Empl	25	0	0	0	0	0	0
591-545-709.000	Social Security (FICA)	2,797	2,702	2,337	2,667	1,892	2,197	2,660
591-545-712.001	Med Insurance Buyouts	372	507	504	513	527	587	1,620
591-545-713.001	Overtime Wages-Extra Time	2,225	1,448	1,099	3,330	967	987	2,280
591-545-716.000	Retirement Benefits	3,182	3,249	2,687	2,804	2,019	2,303	2,731
591-545-718.001	Health Insurance	5,757	5,316	5,663	3,647	3,406	3,640	3,111
591-545-718.012	FSA - Employer Paid	81	5	0	0	0	0	0
591-545-718.013	HSA - Employer Paid	1,716	1,029	922	1,152	1,776	1,776	1,152
591-545-723.001	Other Post Employee Benefits	530	510	514	582	533	582	866
591-545-725.001	Life Insurance	21	20	17	14	16	18	14

591-545-725.010	Workers Comp Insurance	1,405	1,374	1,047	746	562	562	691
591-545-752.000	Operating Supplies	1,308	13	517	500	1,268	1,268	800
591-545-767.000	Uniforms	169	91	391	320	163	176	384
591-545-775.000	Rep & Maint Supplies	13,802	11,098	7,837	17,750	6,301	7,945	8,000
591-545-801.000	Prof Services - Engineering	0	0	0	11,800	22,822	27,822	0
591-545-920.000	Utilities	2,093	2,205	1,987	2,280	1,396	1,717	1,929
591-545-931.000	Outside Services	2,571	3,129	22,512	4,183	5,816	5,816	5,800
591-545-940.000	Equipment Rental	6,819	5,749	3,292	4,800	6,178	7,760	7,000
<b>Totals for dept 545-DISTRIBUTION</b>		<b>81,299</b>	<b>74,177</b>	<b>81,989</b>	<b>89,304</b>	<b>79,811</b>	<b>93,310</b>	<b>70,981</b>

**Dept 560-UTILITY ADMINISTRATION**

591-560-703.000	Full Time Wages	12,448	12,349	15,135	11,217	11,217	11,804	11,548
591-560-704.001	Part Time Wages	50	65	17	0	0	0	0
591-560-709.000	Social Security (FICA)	893	981	1,161	901	901	936	982
591-560-712.001	Med Insurance Buyouts	155	602	599	594	506	555	1,320
591-560-713.001	Overtime Wages-Extra Time	0	110	0	0	0	0	0
591-560-716.000	Retirement Benefits	1,065	1,200	1,495	1,104	1,027	1,154	1,137
591-560-718.001	Health Insurance	1,452	212	217	125	137	148	125
591-560-718.012	FSA - Employer Paid	275	18	0	0	0	0	0
591-560-718.013	HSA - Employer Paid	24	8	0	0	24	24	0
591-560-723.001	Other Post Employee Benefits	13	0	0	0	0	0	0
591-560-725.001	Life Insurance	5	2	2	7	2	2	7
591-560-725.010	Workers Comp Insurance	310	303	130	118	89	89	116
591-560-751.000	Office Supplies	311	285	53	200	83	110	200
591-560-767.000	Uniforms	165	152	114	190	118	190	228
591-560-801.000	Prof Services - Engineering	6,387	1,900	0	1,000	5,801	6,801	1,000
591-560-801.013	Prof Services/Attorney	560	1,093	899	1,000	0	0	0
591-560-801.030	Profess Service-Audit	1,490	1,269	1,165	1,165	1,120	1,120	1,235
591-560-803.010	GIS Mapping Costs	10,826	1,307	198	1,154	166	166	1,200
591-560-803.030	PILOT (Pmt in Lieu of Taxes)	138,849	134,784	131,375	137,687	126,213	137,687	142,209
591-560-850.001	Communications - Cell Phones	753	661	635	648	1,654	2,018	2,184
591-560-851.000	Postage	3,492	3,613	3,490	3,600	3,770	4,100	4,200
591-560-900.000	Printing & Publishing	85	0	211	100	62	62	60
591-560-931.000	Rep & Maint Outside Servi	1,743	0	858	900	125	125	250
591-560-935.001	Liability Insurance	4,847	5,044	5,830	6,413	6,328	6,328	7,054
591-560-948.000	Computer Services	2,484	2,136	1,801	2,100	2,088	2,288	2,300
591-560-955.997	UB Penalty Charges Waived	0	1,577	2,100	0	0	0	0
591-560-955.998	Credit Card Transaction Fees	0	384	0	0	0	0	0
591-560-955.999	Bank Service Charges	392	448	401	480	351	423	432

591-560-960.000	Education & Training	2,975	570	0	600	670	670	700
591-560-962.000	Association Memberships	745	1,145	1,085	1,200	1,116	1,116	1,200
<b>Totals for dept 560-UTILITY ADMINISTRATION</b>		<b>192,794</b>	<b>172,218</b>	<b>168,971</b>	<b>172,503</b>	<b>163,568</b>	<b>177,916</b>	<b>179,687</b>

**Dept 908-DEBT SERVICE**

591-905-991.001	Principal Payment- DWRF Loan	0	0	0	0	0	0	0
591-905-993.001	Interest Payment- DWRF Loan	2,813	563	0	0	0	0	0
<b>Totals for dept 908-DEBT SERVICE</b>		<b>2,813</b>	<b>563</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Dept 970-CAPITAL OUTLAY**

591-900-971.000	Capital Purchase	0	6,952	(104)	35,000	0	70,000	697,540
591-900-972.000	Contracted Services	0	0	0	0	0	0	212,050
<b>Totals for dept 970-CAPITAL OUTLAY</b>		<b>0</b>	<b>6,952</b>	<b>(104)</b>	<b>35,000</b>	<b>0</b>	<b>70,000</b>	<b>909,590</b>

<b>TOTAL APPROPRIATIONS</b>	<b>574,625</b>	<b>523,296</b>	<b>475,512</b>	<b>404,967</b>	<b>367,396</b>	<b>517,315</b>	<b>1,278,382</b>
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<b>NET OF REVENUES/APPROPRIATIONS - FUND 591</b>	<b>(68,180)</b>	<b>126,229</b>	<b>90,443</b>	<b>148,123</b>	<b>160,755</b>	<b>53,630</b>	<b>(120,793)</b>
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Estimated Cash <b>beginning of year:</b>							<b>241,725</b>
--	--	--	--	--	--	--	----------------

Estimated Cash <b>end of year:</b>							<b>241,725</b>	<b>120,932</b>
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Fund 661 - EQUIPMENT FUND  
6/9/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
		ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
NEW GL NUMBER	DESCRIPTION	AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET
ESTIMATED REVENUES								
Dept 000-OPERATIONS								
661-000-628.001	Equipment Rental - General Fund	128,041	116,987	115,870	119,650	106,371	119,715	127,819
661-000-628.202	Equipment Rental/Major	33,433	23,137	22,769	33,086	28,337	29,992	27,900
661-000-628.203	Equipment Rental/Local	24,488	16,269	22,335	29,175	19,578	19,997	27,375
661-000-628.230	Equip Rental-Solid Waste	31,656	34,450	33,322	33,000	27,332	29,482	32,000
661-000-628.243	Equipment Rental - BRA	1,231	1,173	1,814	2,000	1,388	2,565	3,600
661-000-628.247	Equipment Rental/TIFA	454	2,444	1,262	2,200	789	817	1,500
661-000-628.248	Equipment Rental/DDA	77	0	0	200	0	0	0
661-000-628.581	Equipment Rental-Airport	841	957	2,061	1,200	166	166	800
661-000-628.590	Equipment Rental/Sewer	10,007	4,412	40,887	11,345	18,202	19,711	15,970
661-000-628.591	Equipment Rental/Water	17,314	12,866	16,480	15,800	17,277	20,110	20,200
661-000-665.000	Interest Inc-Investments	2,189	3,139	995	168	104	107	36
661-000-673.010	Rev-Sale Fixed Assets-Equ	6,639	0	6,330	51,000	58,450	58,450	5,000
661-000-684.000	Revenue-Miscellaneous	2,409	104	0	0	974	974	0
661-000-692.002	OFS - Liability Claim Reimbursment	5,995	26,319	1,388	0	12,797	12,797	0
Totals for dept 000-OPERATIONS		264,774	242,257	265,513	298,824	291,765	314,883	262,200
TOTAL ESTIMATED REVENUES		264,774	242,257	265,513	298,824	291,765	314,883	262,200

APPROPRIATIONS

Dept 000-OPERATIONS

661-596-703.000	Salaries/Wages - Full Time Employ	38,204	33,199	41,458	50,377	38,644	42,684	49,325
661-596-704.001	Wages - Part Time Employees	2,135	2,138	2,153	2,447	3,826	3,898	1,257
661-596-704.005	Wages - Part Time Seasonal Employ	255	52	0	0	0	0	0
661-596-709.000	Social Security (FICA)	3,023	2,604	3,270	3,965	3,226	3,490	3,960
661-596-712.001	Med Insurance Buyouts	618	807	804	958	959	1,068	2,910
661-596-713.000	Overtime Wages-Extra Time	268	0	19	0	65	65	0
661-596-716.000	Retirement Benefits	3,346	3,135	4,113	4,982	3,929	4,212	4,875
661-596-718.001	Health Insurance	2,954	2,348	2,503	5,918	4,154	4,534	5,047
661-596-718.012	FSA - Employer Paid	113	7	0	0	0	0	0
661-596-718.013	HSA - Employer Paid	864	1,690	169	1,872	1,584	1,584	1,872
661-596-723.001	Other Post Employee Benefits	214	167	179	306	280	306	1,407
661-596-725.001	Life Insurance	13	12	12	25	11	12	25
661-596-725.010	Workers Comp Insurance	956	935	765	1,213	913	913	1,124
661-596-752.000	Operating Supplies	3,404	2,834	3,845	3,841	6,731	7,354	3,000
661-596-758.000	Diesel Fuel	13,583	8,501	9,150	11,050	13,108	16,508	28,717
661-596-759.000	Gasoline	19,439	15,400	16,498	17,429	22,485	29,181	45,815
661-596-767.000	Uniforms	305	122	98	143	247	260	171
661-596-775.000	Rep & Maint Supplies	28,558	20,355	24,414	32,000	24,463	26,687	20,000
661-596-775.010	Supplies-Police Cruisers	162	74	358	200	146	200	400
661-596-801.030	Profess Service-Audit	485	485	485	485	466	466	515
661-596-803.030	PILOT (Pmt in Lieu of Taxes)	23,255	24,263	24,590	25,900	23,742	25,900	26,641
661-596-850.001	Communications - Cell Phones	94	78	82	84	75	81	84
661-596-931.000	Outside Services	37,630	8,380	30,070	19,100	49,495	58,183	22,000
661-596-932.000	Services-Police Cruisers	8,900	23,052	15,148	12,000	13,463	14,063	14,000
661-596-935.001	Liability Insurance	9,666	10,057	11,624	12,786	12,617	12,617	14,065
661-596-940.001	Equipment Rental - Outside Rentals	0	0	0	0	1,080	1,080	0
661-596-948.000	Computer Services	513	384	333	500	85	85	200
661-596-955.000	Miscellaneous	213	0	0	0	0	0	0
661-596-960.000	Education & Training	1,117	100	0	200	6,355	6,355	2,700
661-596-968.000	Depreciation Expense	57,947	53,135	58,555	0	0	0	0
<b>Totals for dept 596 - TRANSPORTATION</b>		<b>258,234</b>	<b>214,314</b>	<b>250,695</b>	<b>207,781</b>	<b>232,149</b>	<b>261,786</b>	<b>250,110</b>

Dept 970-CAPITAL OUTLAY

661-900-971.000	Capital Purchase	0	1,742	0	175,506	178,403	178,403	47,777
<b>Totals for dept 970-CAPITAL OUTLAY</b>		<b>0</b>	<b>1,742</b>	<b>0</b>	<b>175,506</b>	<b>178,403</b>	<b>178,403</b>	<b>47,777</b>

TOTAL APPROPRIATIONS

258,234 216,056 250,695 383,287 410,552 440,189 297,887

NET OF REVENUES/APPROPRIATIONS - FUND 661

	6,540	26,201	14,818	(84,463)	(118,787)	(125,306)	(35,687)
Estimated Cash <b>beginning of year:</b>						42,321	35,802
Estimated Cash <b>end of year:</b>						35,802	115

Fund 662 - OTHER POST EMPLOYMENT BENEFIT FUND

06/01/2022

2022-2023 Budget		18-19	19-20	20-21	21-22	21-22	21-22	2022-2023
		ACTUAL	ACTUAL	ACTUAL	AMENDED	ACTUAL	PROJECTED	REQUESTED
NEW GL NUMBER	DESCRIPTION	AMOUNTS	AMOUNTS	AMOUNTS	BUDGET	TO 05/31	TOTALS	BUDGET
<b>ESTIMATED REVENUES</b>								
Dept 000-OPERATIONS								
662-000-614.101	Post Employ Benefits - General Fund	0	14,783	22,792	25,641	23,504	25,641	33,971
662-000-614.202	Post Employ Benefits - Major	1,203	1,181	1,225	1,260	1,155	1,260	1,339
662-000-614.203	Post Employ Benefits - Local	772	762	823	839	769	839	926
662-000-614.230	Post Employ Benefits - S. Waste	0	1,372	1,423	1,476	1,353	1,476	1,457
662-000-614.243	Post Employ Benefits - BRA	300	297	313	283	260	283	123
662-000-614.247	Post Employ Benefits - TIFA	14	6	19	30	28	30	0
662-000-614.248	Post Employ Benefits - DDA	0	0	0	9	9	9	79
662-000-614.581	Post Employ Benefits - Airport	11	10	12	19	17	12	108
662-000-614.590	Post Employ Benefits - Sewer	2,076	1,796	610	3,553	3,257	3,553	2,966
662-000-614.591	Post Employ Benefits - Water	801	753	734	979	898	979	1,948
662-000-614.661	Post Employ Benefits - Equipment	214	167	179	306	280	306	1,407
662-000-664.020	Interest Inc-Investments	1,169	1,075	314	108	112	120	150
<b>Totals for dept 000-OPERATIONS</b>		<b>6,560</b>	<b>22,202</b>	<b>28,444</b>	<b>34,503</b>	<b>31,642</b>	<b>34,508</b>	<b>44,474</b>
<b>TOTAL ESTIMATED REVENUES</b>		<b>6,560</b>	<b>22,202</b>	<b>28,444</b>	<b>34,503</b>	<b>31,642</b>	<b>34,508</b>	<b>44,474</b>
<b>APPROPRIATIONS</b>								
Dept 000-OPERATIONS								
662-200-723.075	OPEB GASB 75 Costs	0	0	0	3,798	0	6,573	9,761
662-200-724.001	Sick Pay	0	4,229	0	6,636	0	6,824	3,607
662-200-801.030	Professional Services - Audit	0	0	4,200	1,400	1,400	1,400	4,400
662-200-874.000	Post Employment - Health Care	5,997	12,116	16,170	23,961	20,331	22,208	30,957
<b>Totals for dept 000-OPERATIONS</b>		<b>5,997</b>	<b>16,345</b>	<b>20,370</b>	<b>35,795</b>	<b>21,731</b>	<b>37,005</b>	<b>48,725</b>
<b>TOTAL APPROPRIATIONS</b>		<b>5,997</b>	<b>16,345</b>	<b>20,370</b>	<b>35,795</b>	<b>21,731</b>	<b>37,005</b>	<b>48,725</b>
<b>NET OF REVENUES/APPROPRIATIONS - FUND 662</b>		<b>563</b>	<b>5,857</b>	<b>8,074</b>	<b>(1,292)</b>	<b>9,911</b>	<b>(2,497)</b>	<b>(4,251)</b>
<b>Estimated Cash beginning of year:</b>							<b>88,341</b>	<b>75,933</b>

Estimated Cash **end of year:**



75,933

71,682

**Resolution 2022-12**  
**City of Plainwell**  
**General Appropriations Act**  
**Fiscal Year 2022-2023**

**WHEREAS**, Public Act 621 of 1978 mandates a provision for expenditures of appropriations and disposition of revenues, and

**WHEREAS**, it is necessary to provide for a tax levy to fund the various appropriations, and

**WHEREAS**, it is necessary to provide for the implementation, operation and periodic amendment of this act,

**NOW, THEREFORE, BE IT RESOLVED THAT** the City Council of the City of Plainwell having reviewed the proposed budget document finds that the total revenues and transfers necessary for operation of the General Fund in fiscal year 2022/2023 are as follows:

Property Taxes.....	\$1,232,354
License and Permits.....	\$66,885
Intergovernmental Revenue – Federal.....	\$500,000
Intergovernmental Revenue – State .....	\$762,249
Charges for Services .....	\$428,068
Fines and Fees.....	\$3,000
Interest and Rents .....	\$11,963
Other Revenue.....	\$6,205
Transfers from Other Funds .....	<u>\$104,541</u>
<b>TOTAL: .....</b>	<b>\$3,115,265</b>

**BE IT FURTHER RESOLVED THAT** the City Council having reviewed the proposed budget hereby establishes Budget Control Activities and appropriates in the amount and for the purposes set forth as follows:

Legislative .....	\$23,300
Administrative .....	\$407,187
Assessor/Board of Review .....	\$23,011
Elections .....	\$38,461
Buildings & Grounds.....	\$242,655
Public Safety / Police.....	\$1,147,231
Public Safety / Fire .....	\$178,786
Street Lighting .....	\$42,000
Health & Safety - Ambulance.....	\$9,603
Planning/Community Development.....	\$352,212
Parks .....	\$156,816
Flowers/Beautification.....	\$29,499
Special Events .....	\$5,326
Forestry.....	\$2,032
Capital Outlay .....	\$500,000
Debt Service .....	\$39,273
Transfers to Other Funds .....	<u>\$18,000</u>
<b>TOTAL: .....</b>	<b>\$3,215,392</b>



**BE IT FURTHER RESOLVED THAT** the City Council, having reviewed the above revenues and expenditures and being advised that the City Assessor has certified the taxable value of all real and personal property in the City to be **96,409,524** and the value of the property subject to the Industrial and Commercial Facilities tax to be **2,850,477**, hereby directs that the tax levy for 2022/2023 be set at **15.7421** which includes 14.2890 mills of the city's total authorized amount of 16.0000 mills for general operations and 1.3000 mills of the city's total authorized amount of 3.0000 mills for solid waste removal and further directs that the Treasurer prepare a tax roll and levy said taxes to be due and payable on July 1, 2022 for the purposes as shown in the proposed budget document.

**BE IT FURTHER RESOLVED THAT** no member of the City Council or employees of the City shall expend any funds or obligate the expenditure of any funds except pursuant to the appropriations act adopted by the City Council. Changes in the amount of any appropriation shall require approval of the City Council.

**BE IT FURTHER RESOLVED THAT** the City Manager is charged with the supervision and execution of the budget adopted under this general appropriations act and shall be responsible for the performance of the programs within the amounts appropriated by the City Council unless such amounts appropriated are amended.

**BE IT FURTHER RESOLVED THAT this resolution is effective July 1, 2022.**

This resolution is hereby adopted on this 27<sup>th</sup> day of June 2022 by the City Council of the City of Plainwell with the following YES and NO vote:

YES:  
NO:  
ABSENT:

**ATTEST:**

**CITY OF PLAINWELL:**

---

Margaret Fenger, City Clerk

---

Brad Keeler, Mayor

**CERTIFICATION:**

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Plainwell City Council, County of Allegan, State of Michigan, at a meeting held on June 27, 2022, the original of which is on file in the City Clerk's office and available to the public. Public notice of said meeting was given pursuant to and in compliance with the Open Meetings Act, Act No. 267 of the Public Acts of Michigan of 1976 including in the case of a special or rescheduled meeting, notice by posting at least eight (18) hours prior to the time set for said meeting.

---

Margaret Fenger, City Clerk

**Resolution 2022-13**  
**City of Plainwell**  
**Special and Operating Funds Appropriations Act**  
**Fiscal Year 2022-2023**

**WHEREAS**, it is necessary to provide for the expenditure of appropriations and the disposition of revenues, and

**WHEREAS**, it is necessary to provide for tax levies and other charges to fund the various appropriations;

**NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

That the City Council of the City of Plainwell having reviewed the proposed revenues, expenditures and unappropriated fund balances of the various special and operating funds hereby establishes Budget Control Activities and appropriates in the amounts and for the purposes set forth as follows:

Major Street Fund.....	\$967,238
Local Street Fund .....	\$544,615
Solid Waste Fund .....	\$226,638
Brownfield Redevelopment Authority Fund.....	\$189,884
Tax Increment Finance Authority.....	\$69,005
Downtown Development Authority Fund.....	\$74,395
American Rescue Plan Act Stimulus Fund.....	\$398,591
Revolving Loan Fund .....	\$10,000
Capital Improvement Fund .....	\$110,869
Fire Reserve Fund .....	\$77,819
Airport Fund.....	\$80,749
Sewer Fund .....	\$1,523,192
Water Fund .....	\$1,278,382
Motor Pool Fund .....	\$297,887
Other Post Employment Benefit Fund.....	\$48,725

**BE IT FURTHER RESOLVED THAT** the Solid Waste Fund revenue includes special assessments to individual property owners for recycling and bulk pickup, and that the rates for this budget year are **\$29.50 for recycling** and **\$19.50 for bulk pickup**.

**BE IT FURTHER RESOLVED THAT** no member of the City Council or employee of the City shall expend any funds or obligate the expenditure of any funds except pursuant to the special and operating funds appropriations act adopted by the City Council. Changes in the amount of any appropriations shall require Council approval.

**BE IT FURTHER RESOLVED THAT** the City Manager is charged with the supervision of the budget adopted under the special and operating funds appropriations act and shall be responsible for the performance of the programs within the amounts appropriated by the City Council unless so amended.

**BE IT FURTHER RESOLVED THAT** this resolution is effective **July 1, 2022**.

This resolution is hereby adopted on this 27<sup>th</sup> day of June 2022 by the City Council of the City of Plainwell with the following YES and NO vote:

YES:  
NO:  
ABSENT:

**ATTEST: CITY OF PLAINWELL:**

\_\_\_\_\_  
**Margaret Fenger, City Clerk**

\_\_\_\_\_  
**Brad Keeler, Mayor**

**CERTIFICATION:**

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Plainwell City Council, Allegan County, State of Michigan, at a meeting held on June 27, 2022, the original of which is on file in the City Clerk's office and available to the public. Public notice of said meeting was given pursuant to and in compliance with the Open Meetings Act, Act No. 267 of the Public Acts of Michigan of 1976, including in the case of a special or rescheduled meeting, notice by posting at least eighteen (18) hours prior to the time set for said meeting.

\_\_\_\_\_  
Margaret Fenger, City Clerk



## “The Island City”

### MEMORANDUM

211 N. Main Street  
Plainwell, Michigan 49080  
Phone: 269-685-6821  
Fax: 269-685-7282

TO: Erik J. Wilson, City Manager  
FROM: Brian Kelley, City Treasurer  
DATE: June 24, 2022  
SUBJECT: Summary Purchase Order Approval Fiscal Year 2023

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**ACTION RECOMMENDED:** The City Council should approve a listing of confirming and blanket purchase orders for Fiscal Year 2023.

The City routinely performs recurring and regular purchases from existing vendors for products and services. The Purchasing Policy requires purchase orders for all purchases over \$1,000, and Council Approval for specific purchases over \$3,500.00.

Several purchases are made under contracts previously approved by Council. Other purchases are made from sole-source providers for specialized equipment, or from preferred vendors known to be inside the city limits, or offering the best prices.

Enclosed for Council’s consideration is a listing of known purchase orders for these purchases from contracted, sole-source or preferred vendors for purchases in the upcoming budget year. Included in the listing are several blanket purchase orders for estimated annual costs to a preferred vendor; for the blanket purchase orders, any purchase over \$3,500 would still need Council approval.

Approving the request for purchase order approvals will ensure efficient acquisition of goods and services needed for city operations, as well as enhancing compliance with requirements for purchase orders over \$1,000. These amounts are already included in the budget considered by Council on June 27, 2022.

CITY OF PLAINWELL  
PURCHASE ORDERS FOR FISCAL 2023  
As of July 1, 2022

Req Number	Vendor Name	PO Type	Description	Funding Source	Amount
000001637	MICHIGAN MUNICIPAL LEAGUE LIA & PRO	Regular	GENERAL LIABILITY INSURANCE - FISCAL 2022/2023	All Funds	85,274.00
000001638	MML WORKERS COMP FUND	Regular	WORKERS COMP INSURANCE FOR 2022/2023	All Funds	22,929.00
000001639	RENEWED EARTH INC	Confirming	MONTHLY LEAF AND BRUSH REMOVAL PER CONTRACT FY2023	Solid Waste	15,000.00
000001640	ARROW ENERGY INC	Blanket	AIRPORT FUEL PURCHASES FYE 06/30/2023	Airport	49,140.00
000001641	RIDDERMAN & SONS OIL CO INC	Blanket	GASOLINE & DIESEL FUEL PURCHASES FYE 06/30/2023	Motor Pool	47,182.15
000001642	FUEL MANAGEMENT SYSTEM/PACIFIC PRID	Blanket	PUBLIC SAFETY FUEL PURCHASES FYE 06/30/2023	Motor Pool	29,000.00
000001643	GHD SERVICES INC	Blanket	2022/2023 COMMON AREA/CITY HALL UTILITIES/MAINTENANCE	General Fund	23,753.40
000001644	STATE OF MICHIGAN	Regular	NDPES ANNUAL PERMIT FEE, 2023	Water Renewal	5,600.00
000001645	STATE OF MICHIGAN	Regular	BIOSOLIDS LAND APP FEE 2023	Water Renewal	2,000.00
000001646	BS&A SOFTWARE	Blanket	2022/2023 SOFTWARE SUPPORT	All Funds	8,935.00
000001647	WYOMING ASPHALT PAVING INC.	Blanket	ASPHALT PURCHASES FOR SMALL PAVING PROJECTS FY2023	Major/Local Streets	16,000.00
000001648	L.L. JOHNS & ASSOCIATES INC	Confirming	2022/2023 AIRPORT LIABILITY INSURANCE	Airport	4,514.00
000001649	PLAINWELL REDI MIX - COSGROVE ENTER	Blanket	CONCRETE PURCHASES FY2023	Major/Local Streets	11,840.00
000001650	DAN'S TREE SERVICE	Blanket	TREE REMOVALS FY2023	General/Major/Local	10,000.00
000001651	CITY OF ALLEGAN	Blanket	WATER TESTING SERVICES FISCAL YEAR 2023	Water Fund	2,000.00
000001652	DETROIT SALT COMPANY	Blanket	150 TONS OF SEASONAL ROAD SALT 2022-2023 FY	Major/Local Streets	9,915.00
000001653	ZEINTRA GREENHOUSE	Confirming	2023 FLOWERS FOR HANGING BASKETS, BRIDGE & STREET PLANTERS	General Fund	5,500.00
000001654	NORTH CENTRAL NCL OF WISCONSIN	Blanket	VARIOUS LAB SUPPLIES FOR TESTING FISCAL 2023	Water Renewal	5,000.00
000001655	PLUMMERS ENVIRONMENTAL SERVICES	Confirming	FY 2022/2023 YEAR 3 VACTOR CLEANING OF LIFT STATIONS AND PLANT ONLY	Water Renewal	26,250.00
000001656	BORGESS FOUNDATION	Confirming	2022/2023 AMBULANCE SERVICE AGREEMENT	General Fund	9,603.00
					<u>389,435.55</u>

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001637

Requested Date 07/01/2022  
Required Date  
Requested By BRIAN KELLEY

Department 200

Preferred Vendor 002670  
MICHIGAN MUNICIPAL LEAGUE LIA & PRC  
Address LIABILITY & PROPERTY POOL  
PO BOX 972067  
YPSILANTI, MI 48197-0835

Req. Description GENERAL LIABILITY INSURANCE - FISCAL 2022/2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	LIABILITY INSURANCE	101-101-935.001	240.56	240.56
1	LIABILITY INSURANCE	101-262-935.001	187.32	187.32
1	LIABILITY INSURANCE	101-200-935.001	2,280.40	2,280.40
1	LIABILITY INSURANCE	101-265-935.001	5,202.62	5,202.62
1	LIABILITY INSURANCE	101-301-935.001	22,580.17	22,580.17
1	LIABILITY INSURANCE	101-336-935.001	5,931.20	5,931.20
1	LIABILITY INSURANCE	101-751-935.001	2,279.41	2,279.41
1	LIABILITY INSURANCE	101-774-935.001	760.13	760.13
1	LIABILITY INSURANCE	101-775-935.001	149.86	149.86
1	LIABILITY INSURANCE	101-779-935.001	67.04	67.04
1	LIABILITY INSURANCE	101-701-935.001	350.00	350.00
1	LIABILITY INSURANCE	202-463-935.001	1,159.42	1,159.42
1	LIABILITY INSURANCE	203-463-935.001	886.33	886.33
1	LIABILITY INSURANCE	230-529-935.001	1,215.62	1,215.62
1	LIABILITY INSURANCE	243-443-935.001	6,098.80	6,098.80
1	LIABILITY INSURANCE	247-443-935.001	428.87	428.87
1	LIABILITY INSURANCE	248-443-935.001	659.57	659.57
1	LIABILITY INSURANCE	590-560-935.001	14,172.37	14,172.37
1	LIABILITY INSURANCE	591-560-935.001	6,954.57	6,954.57
1	LIABILITY INSURANCE	661-596-935.001	13,866.74	13,866.74
			<b>Total:</b>	85,471.00



# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001638

Requested Date 07/01/2022  
Required Date  
Requested By BRIAN KELLEY

Department 200

Preferred Vendor 000070  
MML WORKERS COMP FUND  
Address P.O. BOX 972081  
YPSILANTI, MI 48197-0835

Req. Description WORKERS COMP INSURANCE FOR 2022/2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	WORKERS COMP 2022/2023	101-101-725.010	10.79	10.79
1	WORKERS COMP 2022/2023	101-200-725.010	471.04	471.04
1	WORKERS COMP 2022/2023	101-257-725.010	0.90	0.90
1	WORKERS COMP 2022/2023	101-262-725.010	47.64	47.64
1	WORKERS COMP 2022/2023	101-265-725.010	990.62	990.62
1	WORKERS COMP 2022/2023	101-301-725.010	9,152.00	9,152.00
1	WORKERS COMP 2022/2023	101-336-725.010	2,098.10	2,098.10
1	WORKERS COMP 2022/2023	101-701-725.010	21.57	21.57
1	WORKERS COMP 2022/2023	101-751-725.010	841.40	841.40
1	WORKERS COMP 2022/2023	101-774-725.010	185.18	185.18
1	WORKERS COMP 2022/2023	101-775-725.010	50.34	50.34
1	WORKERS COMP 2022/2023	101-779-725.010	23.37	23.37
1	WORKERS COMP 2022/2023	202-452-725.010	6.29	6.29
1	WORKERS COMP 2022/2023	202-463-725.010	651.72	651.72
1	WORKERS COMP 2022/2023	202-474-725.010	53.04	53.04
1	WORKERS COMP 2022/2023	202-478-725.010	328.11	328.11
1	WORKERS COMP 2022/2023	202-482-725.010	15.28	15.28
1	WORKERS COMP 2022/2023	203-452-725.010	59.33	59.33
1	WORKERS COMP 2022/2023	203-463-725.010	422.50	422.50
1	WORKERS COMP 2022/2023	203-474-725.010	44.95	44.95
			<b>Total:</b>	22,929.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001639

Requested Date 07/01/2022

Department 443

Required Date

Requested By BOB NIEUWENHUIS

Preferred Vendor 002371  
RENEWED EARTH INC

Address 5111 SOUTH 9TH STREET

KALAMAZOO, MI 49009

Req. Description MONTHLY LEAF AND BRUSH REMOVAL PER CONTRACT FY2023

Qty.	Description	GL Number 1	Unit Price	Amount
12	LEAF AND BRUSH PICKUP	230-529-931.000	1,250.00	15,000.00
<b>Total:</b>				15,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001640

Requested Date 07/01/2022  
Required Date  
Requested By VIRGIL WILLIAMS

Department 595

Preferred Vendor 004803  
ARROW ENERGY INC  
Address 1404 INDUSTRIAL DR STE 3  
SALINE, MI 48176-9495

Req. Description AIRPORT FUEL PURCHASES FYE 06/30/2023

Qty.	Description	GL Number 1	Unit Price	Amount
6,143	AIRPORT FUEL PURCHASES	581-595-759.000	8.00	49,140.00
<b>Total:</b>				49,140.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001641

Requested Date 07/01/2022

Department 443

Required Date

Requested By BOB NIEUWENHUIS

Preferred Vendor 000010  
RIDDERMAN & SONS OIL CO INC

Address PO BOX 117

PLAINWELL, MI 49080

Req. Description GASOLINE & DIESEL FUEL PURCHASES FYE 06/30/2023

Qty.	Description	GL Number 1	Unit Price	Amount
5,221	DIESEL FUEL PURCHASES	661-596-758.000	5.50	28,717.15
3,693	GASOLINE PURCHASES DPW	661-596-759.000	5.00	18,465.00
<b>Total:</b>				47,182.15

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001642

Requested Date 07/01/2022

Department 301

Required Date

Requested By BILL BOMAR

Preferred Vendor 002650

FUEL MANAGEMENT SYSTEM/PACIFIC PRII

Address 0-305 LAKE MICHIGAN DRIVE NW

GRAND RAPIDS, MI 49534-3355

Req. Description PUBLIC SAFETY FUEL PURCHASES FYE 06/30/2023

Qty.	Description	GL Number 1	Unit Price	Amount
5,470	POLICE CRUISER FUEL PURCHASE	661-596-759.000	5.00	27,350.00
300	FIRE APPARATUS FUEL PURCHASE	101-336-759.000	5.50	1,650.00
<b>Total:</b>				29,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001643

Requested Date 07/01/2022  
Required Date  
Requested By BRIAN KELLEY

Department 200

Preferred Vendor 004241  
GHD SERVICES INC  
Address DEPARTMENT 406  
PO BOX 8000  
BUFFALO, NY 14267

Req. Description 2022/2023 COMMON AREA/CITY HALL UTILITIES/MAINTENANCE

Qty.	Description	GL Number 1	Unit Price	Amount
12	MONTHLY CITY HALL/COMMON UT:	101-265-920.000	1,385.39	16,624.68
12	MONTHLY COMMON AREA MAINTEN:	101-265-931.000	594.06	7,128.72
<b>Total:</b>				23,753.40



# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001644

Requested Date 07/01/2022

Department 560

Required Date

Requested By BRYAN POND

Preferred Vendor 000962  
STATE OF MICHIGAN

Address DEPT OF ENVIRO, GR LAKES, & ENERGY  
CASHIERS OFFICE PO BOX 30657  
LANSING, MI 48909

Req. Description NDPEs ANNUAL PERMIT FEE, 2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	NDPEs ANNUAL PERMIT FEE 2023	590-560-963.001	5,600.00	5,600.00
			<b>Total:</b>	5,600.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001645

Requested Date 07/01/2022

Department 560

Required Date

Requested By BRYAN POND

Preferred Vendor 000962  
STATE OF MICHIGAN

Address DEPT OF ENVIRO, GR LAKES, & ENERGY  
CASHIERS OFFICE PO BOX 30657  
LANSING, MI 48909

Req. Description BIOSOLIDS LAND APP FEE 2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	BIOSOLIDS LAND APP FEE 2023	590-560-955.000	2,000.00	2,000.00
<b>Total:</b>				2,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001646

Requested Date 07/01/2022  
Required Date  
Requested By BRIAN KELLEY

Department 200

Preferred Vendor 001043  
BS&A SOFTWARE  
Address 14965 ABBEY LANE  
BATH, MI 48808-7709

Req. Description 2022/2023 SOFTWARE SUPPORT

Qty.	Description	GL Number 1	Unit Price	Amount
1	UTILITY BILLING SYSTEM SUPP	590-560-948.000	750.00	750.00
1	FIXED ASSETS SYSTEM SUPPORT	101-200-948.000	445.00	445.00
1	MISCELLANEOUS RECEIVABLES :	101-200-948.000	457.00	457.00
1	PURCHASE ORDER SYSTEM SUPPO	101-200-948.000	457.00	457.00
1	PAYROLL SYSTEM SUPPORT	101-200-948.000	582.00	582.00
1	CASH RECEIPTING SYSTEM SUPP	101-200-948.000	457.00	457.00
1	ACCOUNTS PAYABLE SYSTEM SUP	101-200-948.000	457.00	457.00
1	GENERAL LEDGER SYSTEM SUPPO	101-200-948.000	537.00	537.00
1	HR SYSTEM SUPPORT	101-200-948.000	382.00	382.00
1	ASSESSING SYSTEM SUPPORT	101-257-948.000	887.00	887.00
1	ONLINE SERVICES - ACCESS MY	101-200-948.000	2,575.00	2,575.00
1	WORK ORDER SYSTEM SUPPORT	101-265-948.000	417.00	417.00
1	TAX SYSTEM SUPPORT	101-200-948.000	532.00	532.00
			<b>Total:</b>	8,935.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001647

Requested Date 07/01/2022  
Required Date  
Requested By BOB NIEUWENHUIS

Department 463

Preferred Vendor 000947  
WYOMING ASPHALT PAVING INC.  
Address PO BOX 192  
PO BOX 192  
PLAINWELL, MI 49080

Req. Description ASPHALT PURCHASES FOR SMALL PAVING PROJECTS FY2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	ASPHALT PURCHASES FY 2023	202-463-970.023	16,000.00	16,000.00
<b>Total:</b>				16,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001648

Requested Date 07/01/2022

Department 595

Required Date

Requested By VIRGIL WILLIAMS

Preferred Vendor 004806  
L.L. JOHNS & ASSOCIATES INC

Address 6515 HIGHLAND RD SUITE 220

WATERFORD, MI 48327

Req. Description 2022/2023 AIRPORT LIABILITY INSURANCE

Qty.	Description	GL Number 1	Unit Price	Amount
1	AIRPORT LIABILITY INSURANCE	581-595-935.001	3,514.00	3,514.00
1	AIRPORT STORAGE TANK INSURAI	581-595-935.001	1,000.00	1,000.00
<b>Total:</b>				4,514.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001649

Requested Date 07/01/2022  
Required Date  
Requested By CHERYL PICKETT

Department 452

Preferred Vendor 002582  
PLAINWELL REDI MIX - COSGROVE ENTEF  
Address PO BOX 492  
PLAINWELL, MI 49080

Req. Description CONCRETE PURCHASES FY2023

Qty.	Description	GL Number 1	Unit Price	Amount
15	CONCRETE PURCHASES FY2023	101-265-775.000	160.00	2,400.00
11	CONCRETE PURCHASES FY2023	101-751-775.000	160.00	1,760.00
7	CONCRETE PURCHASES FY2023	202-452-967.075	160.00	1,120.00
17	CONCRETE PURCHASES FY2023	202-463-775.000	160.00	2,720.00
7	CONCRETE PURCHASES FY2023	203-452-967.075	160.00	1,120.00
17	CONCRETE PURCHASES FY2023	203-463-775.000	160.00	2,720.00
<b>Total:</b>				11,840.00



# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001650

Requested Date 07/01/2022  
Required Date  
Requested By CHERYL PICKETT

Department 463

Preferred Vendor 001415  
DAN'S TREE SERVICE

Address 5925 MARSH RD

SHELBYVILLE, MI 49344-9436

Req. Description TREE REMOVALS FY2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	TREE REMOVALS FY2023	202-463-931.000	10,000.00	10,000.00
<b>Total:</b>				10,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001651

Requested Date 07/01/2022  
Required Date  
Requested By CHERYL PICKETT

Department 540

Preferred Vendor 002562  
CITY OF ALLEGAN

Address  
231 TROWBRIDGE ST  
ALLEGAN, MI 49010

Req. Description WATER TESTING SERVICES FISCAL YEAR 2023

Qty.	Description	GL Number 1	Unit Price	Amount
100	WATER SAMPLE TESTINGS	591-540-931.000	20.00	2,000.00
<b>Total:</b>				2,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001652

Requested Date 07/01/2022  
Required Date  
Requested By CHERYL PICKETT

Department 478

Preferred Vendor 001711  
DETROIT SALT COMPANY  
Address 12841 SANDERS STREET  
DETROIT, MI 48217

Req. Description 2022-2023 SEASONAL ROAD SALT 100 TONS

Qty.	Description	GL Number 1	Unit Price	Amount
150	SEASONAL FILL ROAD SALT	101-265-775.000	66.10	9,915.00
<b>Total:</b>				9,915.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001653

Requested Date 07/01/2022  
Required Date  
Requested By CHERYL PICKETT

Department 774

Preferred Vendor 005025  
ZEINSTRA GREENHOUSE  
Address 998 122ND AVE  
SHELBYVILLE, MI 49344

Req. Description 2023 FLOWERS FOR HANGING BASKETS & BRIDGE/STREET PLANTS

Qty.	Description	GL Number 1	Unit Price	Amount
1	2023 HANGING BASKETS & PLANT	101-774-774.000	5,500.00	5,500.00
			<b>Total:</b>	5,500.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001654

Requested Date 07/01/2022

Department 540

Required Date

Requested By BRYAN POND

Preferred Vendor 001413

NORTH CENTRAL NCL OF WISCONSIN INC

Address PO BOX 8

BIRNAMWOOD, WI 54414

Req. Description VARIOUS LAB SUPPLIES FOR TESTING FISCAL YEAR 2023

Qty.	Description	GL Number 1	Unit Price	Amount
1	GENERIC LAB SUPPLIES FOR TE	590-540-752.000	5,000.00	5,000.00
<b>Total:</b>				5,000.00

# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001655

Requested Date 07/01/2022

Department 540

Required Date

Requested By BRYAN POND

Preferred Vendor 002869

PLUMMERS ENVIRONMENTAL SERVICES INC

Address 10075 SEDROC INDUSTRIAL DR

BYRON CENTER, MI 49315

Req. Description FY2022/2023 YEAR 3 VACTOR CLEANING OF LIFT STATIONS ANI

Qty.	Description	GL Number 1	Unit Price	Amount
1	2 CLEANINGS OF LIFT STAT. &	590-540-931.000	26,250.00	26,250.00
<b>Total:</b>				26,250.00



# Purchase Requisition

06/24/2022  
02:33 PM

Purchase Requisition No 000001656

Requested Date 07/01/2022

Department 651

Required Date

Requested By ERIK WILSON

Preferred Vendor 002668  
BORGESS FOUNDATION

Address 1521 GULL ROAD - MSB 300

KALAMAZOO, MI 49048

Req. Description 2022/2023 AMBULANCE SERVICE AGREEMENT

Qty.	Description	GL Number 1	Unit Price	Amount
1	2022/2023 AMBULANCE SERVICE	101-651-843.000	9,603.00	9,603.00
			<b>Total:</b>	9,603.00

**CITY OF PLAINWELL  
MINUTES  
Planning Commission  
Wednesday June 15, 2022**

1. Call to Order at 7:43 p. m. by Colingsworth
2. Pledge of Allegiance was given by all present.
3. Roll Call: Present: Rachel Colingsworth, Jay Lawson, Lori Steele, Stephen Bennett  
Excused: Jim Higgs, Gary Sausaman, Dale Burnham,
4. Approval of Minutes – 06/01/2022  
**Lawson motioned to approve minutes Bennett seconded. All in favor to approve minutes and place them on file.**
5. Chairperson’s Report: - None
6. Public Comments- none
7. New Business: Capital Improvement Plan 2022-2027  
City Manager Wilson presented the second draft of the Capital Improvement Plan 2022-2027-projects include all aspects of city, and forecasts future projects for the next 25 years. Opportunity for public involvement in process. **A motion to accept the second draft and forward to City Council for final approval was made by Lawson and seconded by Bennett. All in favor vote. Motion passed.**
9. Old Business – None at this time
10. Reports and Communications: None
11. Public Comments – None
12. Staff Comments: - None
13. Commissioner Comments: None
14. Adjournment: Colingsworth adjourned the meeting at 7:50 p.m.

Minutes submitted by Denise Siegel, Community Development Manager

06/23/2022

INVOICE APPROVAL BY INVOICE REPORT FOR CITY OF PLAINWELL  
 EXP CHECK RUN DATES 06/13/2022 - 07/04/2022  
 BOTH JOURNALIZED AND UNJOURNALIZED  
 BOTH OPEN AND PAID

Vendor Cc	Vendor Name	Description	Amount
000002	AT&T		
	269685195706	AIRPORT PHONE SERVICES MAY 16 TO JULY 12, 2022	218.52
	269685682406	DPS - NONPUBLISHED LINE MAY 5 TO JULY 12, 2022	2.42
TOTAL FOR: AT&T			<u>220.94</u>
000004	PLAINWELL AUTO SUPPLY INC		
	662714	DPW - REFRIGERANT #5 - AB	47.99
	662831	DPW - STEERING FLUID TRUCK 17 - RL	20.18
	663119	DPW - WIRE #18 - AB	50.00
	663147	DPS - LAMP TRUCK 5 - WK	8.49
	663243	DPW - MOTOR TUNE UP / NITRILE GLOVES - AB	31.97
TOTAL FOR: PLAINWELL AUTO SUPPLY INC			<u>158.63</u>
000007	BATTERIES PLUS BULBS		
	06/21/2022	Battery replacements - CH Emergency Lights	79.40
TOTAL FOR: BATTERIES PLUS BULBS			<u>79.40</u>
000009	CONSUMERS ENERGY		
	06/03/2022	May 2022 Energy Bill	5,468.71
	202787238612	WR - JUNE 2022 ENERGY THROUGH JUNE 14, 2022	7,061.74
TOTAL FOR: CONSUMERS ENERGY			<u>12,530.45</u>
000010	RIDDERMAN & SONS OIL CO INC		
	153618	DPW - DIESEL PURCHASE 244G	1,285.76
	153619	DPW - GASOLINE PURCHASE 245G	1,022.59
	37536	AIRPORT REG/PRM FUEL JUNE 11/14, 2022	226.08
TOTAL FOR: RIDDERMAN & SONS OIL CO INC			<u>2,534.43</u>
000011	SHOPPERS GUIDE INC		
	2022.05	MAY 2022 ADS - ARBOR DAY/FARMERS MARKET/HERBICIDE	210.19
TOTAL FOR: SHOPPERS GUIDE INC			<u>210.19</u>
000014	MICHIGAN GAS UTILITIES CORP		
	MAY-22	GAS UTILITIES THROUGH JUNE 11, 2022	2,991.80
TOTAL FOR: MICHIGAN GAS UTILITIES CORP			<u>2,991.80</u>
000034	VERIZON		
	9908456883	ALARM SERVICE MAY 11 TO JUNE 10, 2022	44.85
TOTAL FOR: VERIZON			<u>44.85</u>
000035	APPLIED IMAGING		
	1965151	DPW/WR COPY CHARGES 04/16 TO 05/15/2022	54.74
	1984656	DPW/WR COPY CHARGES MAY 16 TO JUNE 15, 2022	29.51
	1984657	CITY HALL COPY CHARGES MAY 13 TO JUNE 12 2022	357.00
TOTAL FOR: APPLIED IMAGING			<u>441.25</u>
000053	POSTMASTER		
	06/06/2022	Postage for grant documents	8.95
TOTAL FOR: POSTMASTER			<u>8.95</u>
000077	MCMASTER-CARR SUPPLY		
	79169150	WR - IN LINE PSI DEVICE	247.04
TOTAL FOR: MCMASTER-CARR SUPPLY			<u>247.04</u>

000079	ALLEGAN COUNTY NEWS			
	6110	CDBG PUBLIC NOTICE MAY 26, 2022		190.00
TOTAL FOR: ALLEGAN COUNTY NEWS				190.00
000100	SIEGFRIED CRANDALL PC			
	109530	ADMIN - POST-AUDIT SUPPORT - TREASURY		100.00
TOTAL FOR: SIEGFRIED CRANDALL PC				100.00
000153	FLEIS & VANDENBRINK INC			
	62081	BRIDGE IMPROVEMENT SURVEY WORK THROUGH APRIL 30 2022		2,730.00
	62286	PREPARE RFQ FOR WATER METER REPLACEMENT PROJECT		1,073.25
	62545	DIGESTOR COVER REPLACEMENT SERVICES THROUGH MAY 28, 2022		1,980.00
	62548	WELL 4 CHEMICAL FEED DESIGN & PERMITTING - SERVICES THROUGH MAY 28, 2022		1,671.22
TOTAL FOR: FLEIS & VANDENBRINK INC				7,454.47
000164	ETNA SUPPLY CO INC			
	S104373994.001	DPW - TWO (2) 4" OMNI+ CE METERS		6,670.00
TOTAL FOR: ETNA SUPPLY CO INC				6,670.00
000166	FISHER SCIENTIFIC			
	3389802	WR - LAB DETERGENT RINSE		493.36
TOTAL FOR: FISHER SCIENTIFIC				493.36
000356	LOCK MASTER SECURITY LLC			
	11281	DPS - COMMERCIAL GRADE HD MONITOR		397.50
TOTAL FOR: LOCK MASTER SECURITY LLC				397.50
000461	BOB'S HARDWARE			
	81182	DPW - SUPPLIES FOR IRRIGATION		111.98
TOTAL FOR: BOB'S HARDWARE				111.98
000714	WEBB CHEMICAL SERVICE CORP			
	539836	WR - FERRIC CHLORIDE SOLUTION		5,036.76
TOTAL FOR: WEBB CHEMICAL SERVICE CORP				5,036.76
000843	B & C TROPHY			
	06/01/2022	Logo Shirts		317.50
TOTAL FOR: B & C TROPHY				317.50
000897	SHERWIN WILLIAMS			
	06/21/2022	Paint - parking lot curbs		641.80
TOTAL FOR: SHERWIN WILLIAMS				641.80
000947	WYOMING ASPHALT PAVING INC.			
	2022-174	DPW - ASPHALT MATERIALS MAJOR STREETS		67.00
	2022-204	DPW - ASPHALT MATERIALS MAJOR AND LOCAL STREET PROJECTS		131.15
TOTAL FOR: WYOMING ASPHALT PAVING INC.				198.15
000962	STATE OF MICHIGAN			
	06/20/2022	Drinking Water Operator Training & Certification		95.00
	761-10984467	HAZARDOUS WASTE USER CHARGE - SQG MAR 2021 FORWARD		105.00
TOTAL FOR: STATE OF MICHIGAN				200.00
001331	DON REEVES			
	2021.2022	SHOES DPW - SHOE ALLOWANCE 2021/2022		200.00
TOTAL FOR: DON REEVES				200.00
001854	MODEL FIRST AID			
	00000130589	DPS - RESTOCK SAFETY SUPPLIES		92.30
TOTAL FOR: MODEL FIRST AID				92.30

001920	MARANA GROUP		
	470198	ASSESSOR OVERSEAS MAILING	2.75
TOTAL FOR: MARANA GROUP			<u>2.75</u>
001947	E-Z TREE TRANSPLANTING INC.		
	102751	DPW - TRANSPLANT TREEE 331 S SHERWOOD	250.00
TOTAL FOR: E-Z TREE TRANSPLANTING INC.			<u>250.00</u>
002002	USA BLUEBOOK		
	17376	WR - SAFETY SUPPLIES HILESKI - BP	49.29
TOTAL FOR: USA BLUEBOOK			<u>49.29</u>
002018	CDW-G		
	Z442463	DPS - 27" MONITOR WITH ADAPTOR AND DISPLAY MOUNT	487.93
	Z454574	HP PROBOOK FOR EPOLLBOOK - ELECTIONS	1,001.63
TOTAL FOR: CDW-G			<u>1,489.56</u>
002030	DRUG SCREEN PLUS INC		
	22APR1339	DPW - PRE-EMPLOY / RANDOM TESTING	90.00
	22MAY1339	DPS - PRE-EMPLOYMENT TEST	45.00
TOTAL FOR: DRUG SCREEN PLUS INC			<u>135.00</u>
002070	SIGNWRITER		
	42745	SIGN INSTALLATION TIFA DISTRICT	75.00
TOTAL FOR: SIGNWRITER			<u>75.00</u>
002091	ABONMARCHE CONSULTANTS, INC.		
	140871	CDBG GRANT ADMINISTRATION THROUGH MAY 2022	75.00
TOTAL FOR: ABONMARCHE CONSULTANTS, INC.			<u>75.00</u>
002116	CHARTER COMMUNICATIONS		
	0036867060722	AIRPORT INTERNET 06/07 TO 07/06/2022	84.00
	0054103060522	CITY HALL PHONE/INTERNET 06/05 TO 07/04/2022	499.45
TOTAL FOR: CHARTER COMMUNICATIONS			<u>583.45</u>
002281	HOME DEPOT		
	2022.05	MAY 2022 HOME DEPOT PURCHASES	2,766.89
TOTAL FOR: HOME DEPOT			<u>2,766.89</u>
002368	ORTON, TOOMAN, HALE, MCKOWN & KIEL		
	2022.05	DPS - LEGAL SERVICES MARCH, APRIL, MAY 2022	650.00
TOTAL FOR: ORTON, TOOMAN, HALE, MCKOWN & KIEL			<u>650.00</u>
002402	STEENSMA LAWN & POWER EQUIPMENT		
	920644	DPW - DELIVERY CHARGE MOWER BLADES #73 & #153	60.00
	936149	DPW - SIDE WHEEL ON MOWER DECK #73 AS	44.51
	939309	DPW - OIL FOR MOWER #73 AND #153	83.44
TOTAL FOR: STEENSMA LAWN & POWER EQUIPMENT			<u>187.95</u>
002650	FUEL MANAGEMENT SYSTEM/PACIFIC PRID		
	164719	DPS - FUEL CHARGES JUNE 1 TO 15, 2022	1,208.33
TOTAL FOR: FUEL MANAGEMENT SYSTEM/PACIFIC PRID			<u>1,208.33</u>
002703	CONTINENTAL LINEN SERVICES INC		
	3315596	DPS - RUGS 06/07/2022	26.53
	3315597	DPW - UNIFORMS/RUGS 06/07/2022	32.86
	3315598	WR - UNIFORMS 06/07/2022	13.50
	3321523	DPW - UNIFORMS/RUGS 06/14/2022	58.87
	3321524	WR - UNIFORMS/RUGS 06/14/2022	29.58
	3327381	DPW - UNIFORMS/RUGS 06/21/2022	32.86
	3327382	WR - UNIFORMS 06/21/2022	13.50
	428866.2022.05C	CH - RUGS MAY 2022	84.90
	428867.2022.05V	WR - UNIFORMS/RUGS MAY 2022	111.74

	428868.2022.05D DPW - UNIFORMS/RUGS MAY 2022	379.03
	430691.2022.05D DPS - RUGS MAY 2022	52.12
	TOTAL FOR: CONTINENTAL LINEN SERVICES INC	835.49
003087	TOTAL PROPERTY MANAGEMENT	
	18694 DPS - COMPLIANCE MOWING 615 ALLEGAN STREET	260.00
	TOTAL FOR: TOTAL PROPERTY MANAGEMENT	260.00
004167	B & B FIRE DIVISION MASON DYNAMICS	
	47 DPS - ENGINE 17 VALVE LEAK REPAIR	290.00
	TOTAL FOR: B & B FIRE DIVISION MASON DYNAMICS	290.00
004205	HOEKSTRA ROOFING COMPANY INC.	
	17055.2 ADDITIONAL ROOF REPAIRS - STRUCTURAL/ASBESTOS/ROTTED WOOD	34,160.00
	TOTAL FOR: HOEKSTRA ROOFING COMPANY INC.	34,160.00
004241	GHD SERVICES INC	
	340-0033396 CITY HALL/Common Area Maintenance/Utilities March 2022	2,158.54
	340-0033494 CITY HALL Common Area Utilities/Maintenance April 2022	1,478.01
	TOTAL FOR: GHD SERVICES INC	3,636.55
004796	SILVERSCRIPT INSURANCE COMPANY	
	2022.06TOWN JUNE 2022 RETIREE PRESCRIPTION COVERAGE - TOWN	26.60
	2022.06WHIT JUNE 2022 RETIREE PRESCRIPTION COVERAGE - WHITNEY	26.60
	TOTAL FOR: SILVERSCRIPT INSURANCE COMPANY	53.20
004803	ARROW ENERGY INC	
	136798 AIRPORT FUEL PURCHASE	10,489.00
	TOTAL FOR: ARROW ENERGY INC	10,489.00
004814	WILLIAMS & WORKS	
	94354 GENERAL PLANNING - MAY 2022 - GOLF CART BUSINESS EXPANSION	26.25
	94359 PARKS & REC PLAN UPDATE - SERVICES THROUGH MAY 2022	562.75
	TOTAL FOR: WILLIAMS & WORKS	589.00
004832	QUALITY PRECAST INC	
	19234 DPW - STORM SEWER ADJUSTING RINGS	299.00
	TOTAL FOR: QUALITY PRECAST INC	299.00
004837	MUNIWEB	
	54682 WEBSITE HOSTING MAY 2022	200.00
	TOTAL FOR: MUNIWEB	200.00
004855	PLAINWELL ACE HARDWARE	
	10372 DPW - GAZEBO FASTENERS - AB	22.24
	10373 DPW - SHOP TOOLS - DRILL BIT	5.99
	10382 DPW - PELL GAZEBO - AB	19.18
	10386 DPW - GAZEBO SUPPLIES	44.97
	10387 DPW - GAZEBO SUPPLIES	4.59
	10393 DPW - IRRIGATION SUPPLIES - CART HOSE 2 WHEEL	129.99
	10397 DPW - GOOSENECK HOSE ADAPTORS - GATOR #22	10.99
	10408 DPS - PELL GAZEBO - AB	20.53
	10412 DPW - AIR FILTERS / DPS - KEYS	92.35
	10426 DPW - FASTENERS FOR TOOL REPAIR	0.40
	10428 DPW - FIRE HYDRANT PAINT	41.99
	10430 DPW - STREET SIGN HEX TAP BOLTS	32.99
	10432 DPW - HYDRANT FASTENERS	7.49
	10441 DPS - DIEHARD JUMPSTART 400 AMP	179.99
	10444 DPS - VEHICLE CLEANING SUPPLIES	40.16
	10469 DPW - FLOWER SIGNS - BN	15.58
	10472 DPW - PAINT/STAIN FOR BANDSHELL - BN	339.98
	10473 DPW - PAINT/STAIN BANDSHELL - BN	339.98
	10474 DPW - PAINT/STAIN BANDSHELL - BN	339.98



10475	DPW - PAINT/STAIN BANDSHELL (SHIPPED) - BN	479.93
10477	AIRPORT - PAINT FOR WIND T INDICATOR	85.34
10480	DPW - BANDSHELL BULBS AND PAINT TRAYS	22.94
10483	DPW - PAINT	20.97
10484	DPW - RETURN PAINT	(20.97)
10486	DPW - BANDSHELL PAINT SUPPLIES	12.90
10505	DPW - PAINT FOR HYDRANT	41.99
10509	WR - INSTALL PRESSURE DEVICE WATER LINE	106.98
10524	AIRPORT = RUNWAY LIGHTS VW	19.77
10536	DPS - BATTERIES/WALL REPAIR KIT JV	27.42
10555	WR - HAND SOAP REFILL KB	17.99
10560	DPW - SHERWOOD PLAYGROUND BRIDGE REPAIR SUPPLIES - DR	9.57
10563	DPW - SHERWOOD PLAYGROUND BRIDGE REPAIRS - AB	30.15
10566	AIRPORT - RUNWAY VW	64.70
10567	DPS - DUPLICATE KEYS - JP	7.96
10572	DPW - IRRIGATION SUPPLIES WK	28.27
10573	DPW - PAINT SUPPLIES LIGHT POLES - AB	60.96
10575	DPW - BUG REPELLANT CP	31.94
10588	DW - MOUNTING TAPE/UTILITY SCRAPER FLOWERS WK	25.97
10590	DPW - IRRIGATION SUPPLIES WK	9.56
10593	DPW - SPRINKLE TURRET FOR EAST WELCOME SIGN - RL	31.99
10601	DPW - PAINT FOR LIGHT POLES THROUGH TOWN - AB	57.38
10630	WR - SEAFOAM MOTOR TREATMENT / WEED & FEED - BP	39.98
10644	DPW - IRRIGATION - WK	12.99
TOTAL FOR: PLAINWELL ACE HARDWARE		2,916.05
-----		
004870	RIGHT WAY CONTROL	
1457	DPW - WEED CONTROLS 2022	2,525.00
TOTAL FOR: RIGHT WAY CONTROL		2,525.00
-----		
004902	BLOOM SLUGGETT PC	
22732	GENERAL LEGAL SERVICES MAY 2022	1,177.50
TOTAL FOR: BLOOM SLUGGETT PC		1,177.50
-----		
005011	SAFEGUARD BUSINESS SYSTEMS	
035015936	CHECK STOCK AND DEPOSIT TICKETS	429.94
TOTAL FOR: SAFEGUARD BUSINESS SYSTEMS		429.94
-----		
005012	UNITED BANK	
2022.06.14	ACH FEE - UTILITY BILLING PAYMENTS	7.00
2022.06.17	BANK FEES - RETURNED ACH PAYMENT	7.50
2022.06.22	ACH FEES - PAYROLL AND UNION DUES	14.00
TOTAL FOR: UNITED BANK		28.50
-----		
005025	ZEINSTR GREENHOUSE	
1197	DPW - BRIDGE/STREET PLANTERS & HANGING BASKETS	4,921.00
TOTAL FOR: ZEINSTR GREENHOUSE		4,921.00
-----		
005038	BARNES & THORNBURG LLP	
2626774	GENERAL LEGAL SERVICES MAY 2022	914.50
TOTAL FOR: BARNES & THORNBURG LLP		914.50
-----		
005041	EVOQUA WATER TECHNOLOGIES	
905389204	WR - MAY 2022 MONTHLY ODOR CONTROL	300.00
TOTAL FOR: EVOQUA WATER TECHNOLOGIES		300.00
-----		
005047	STAPLES, INC.	
3509525243	DPW - TOWELS AND TISSUE	69.95
3510037446	DPS - PAPERS/TOWELS/SOAP - AD	73.41
TOTAL FOR: STAPLES, INC.		143.36
-----		
005094	HARRINGTON'S AUTO SERVICE	
06/01/2022	Tires, Tubes and Mount - Lawn Mower	216.00
		-----

TOTAL FOR: HARRINGTON'S AUTO SERVICE		216.00
005095	VITAL RECORDS CONTROL	
	0519601 CITY HALL SHREDDING SERVICE - JUNE 7, 2022	61.60
TOTAL FOR: VITAL RECORDS CONTROL		61.60
005102	JIM GAUTHIER	
	100 AIRPORT SNOW PLOWING 2022	2,500.00
TOTAL FOR: JIM GAUTHIER		2,500.00
005104	PLERUS	
	3236 AV APPLICATION SUPPLIES - 2022 ELECTIONS	480.47
TOTAL FOR: PLERUS		480.47
999999	AMZN MKTP US	
	06/01/2022 Brother label tapes / Band-aids	26.48
	06/01/2022 Phone Case	31.99
	06/01/2022 Flowers	719.70
	06/02/2022 Batteries	48.00
	06/03/2022 First Aid Kit	129.04
	06/06/2022 Monthly Constant Contact Support	45.00
	06/09/2022 Concrete Sealant	175.55
	06/18/2022 Post It Notes / Scrapbook Pages	32.37
	FARMERREF REFUND FARMERS MARKET FEE 2022	110.00
TOTAL FOR: CATHY MATTHIS		1,318.13
ALLEG ISC ALLEGAN AREA EDUCATION SVC AGENCY		
	2021PILOT 2021 PILOT DISTRIBUTION	5,222.27
TOTAL FOR: ALLEGAN AREA EDUCATION SVC AGENCY		5,222.27
ALLEGAN ALLEGAN COUNTY TREASURER		
	2021PILOT 2021 PILOT DISTRIBUTION	6,724.51
	MHT2022.06 TRAILER TAX PINECREST JAN TO JUNE 2022	770.00
TOTAL FOR: ALLEGAN COUNTY TREASURER		7,494.51
PL COM S PLAINWELL COMMUNITY SCHOOLS		
	2021PILOT 2021 PILOT DISTRIBUTION	11,232.18
TOTAL FOR: PLAINWELL COMMUNITY SCHOOLS		11,232.18
RANSOM RANSOM DISTRICT LIBRARY		
	2021PILOT 2021 PILOT DISTRIBUTION	2,404.86
TOTAL FOR: RANSOM DISTRICT LIBRARY		2,404.86
REFUND M POTTER KEN		
	06/22/2022 OVERPAYMENT REFUND - SOLD PLANE - RENTAL NO LONGER NEEDED	52.56
TOTAL FOR: POTTER KEN		52.56
STATE MIC STATE OF MICHIGAN		
	2021PILOT 2021 PILOT DISTRIBUTION	38,310.75
TOTAL FOR: STATE OF MICHIGAN		38,310.75
TOTAL - ALL VENDORS		182,506.39

**INVOICE AUTHORIZATION**

**Person Compiling Report**

I verify that to the best of my knowledge the attached invoice listing is accurate and the procedures in place to compile this invoice listing has been followed.

Insert Signature:

**Brian Kelley**

Digitally signed by Brian Kelley  
Date: 2022.06.23 14:08:13 -04'00'

**Brian Kelley, City Treasurer**

I verify that I have reviewed the expenditures attributed to my department and to the best of my knowledge the attached invoice listing is accurate and complies with the City's purchasing policy.

Insert Signature:

**Brian Kelley**

Digitally signed by Brian Kelley  
Date: 2022.06.23 14:08:31 -04'00'

**Bryan Pond, Water Renewal Plant Supt.**

I verify that I have reviewed the expenditures attributed to my department and to the best of my knowledge the attached invoice listing is accurate and complies with the City's purchasing policy.

Insert Signature:

**Kevin Callahan, Public Safety Director**

I verify that I have reviewed the expenditures attributed to my department and to the best of my knowledge the attached invoice listing is accurate and complies with the City's purchasing policy.

Insert Signature:

**Kevin A Callahan**

Digitally signed by Kevin A Callahan  
Date: 2022.06.23 14:48:53 -04'00'

**Bob Nieuwenhuis, Public Works Supt.**

I verify that I have reviewed the expenditures attributed to my department and to the best of my knowledge the attached invoice listing is accurate and complies with the City's purchasing policy.

Insert Signature:

**Erik J. Wilson, City Manager**

I verify that I have reviewed the expenditures attributed to my department and to the best of my knowledge the attached invoice listing is accurate and complies with the City's purchasing policy.

Insert Signature:

**Erik Wilson**

Digitally signed by Erik Wilson  
Date: 2022.06.23 16:19:17 -04'00'



June 9, 2022

**Board of Commissioners Update  
Administrator's Report**

**ENGAGEMENT**

**Employment**

2022 as of Q1 2022:

<b>TURNOVER/RETENTION (Regular FT &amp; PT Only)</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
# of Terminations (includes Retirees)	16*			
Average length of tenure of terminated REG employees	16.48			
Turnover % of new REG employees (<=1 year)	19.00%	Calculation to be updated Q2		
Turnover % of REG employees	4.10%			
Total average number of REG Employees	393			
Notes	*9 of the terminations were retirements			
<b>RECRUITMENT</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Jobs Posted	10			
# of Days to Hire (KPI)	53.6			
# of New Hires	25			
# of Promotions or Transfers	15			

Current Number of Active Regular Full-Time and Regular Part-Time Employees: 401

*New Hires: 9*

<b>Last Name</b>	<b>First Name</b>	<b>Position</b>	<b>Department</b>
Brink	MaryEllen	Telecommunicator	Central Dispatch
Bursk	Charles	Reserve Deputy	Sheriff's Office
Bywater	Rachel	Reserve Deputy	Sheriff's Office
Funk	Gerald	Reserve Deputy	Sheriff's Office
Kettler	Christopher	Reserve Deputy	Sheriff's Office
Kooistra	James	Reserve Deputy	Sheriff's Office
Russell	Justin	Reserve Deputy	Sheriff's Office
Ruzick	Kalyn	Reserve Deputy	Sheriff's Office
Wojahn	Philip	Irregular Marine Officer	Sheriff's Office

Left Employment: 3

Last Name	First Name	Position	Department
Bowen	Melissa	Reserve Deputy	Sheriff's Office
Bomgaars	William	Reserve Deputy	Sheriff's Office
Hesselink	Cameron	Telecommunicator	Central Dispatch

Promotions/Transfers: 1

Last Name	First Name	New Position	Department
Beltran	Miah	Treatment Specialist (FT36)	Cheever Treatment Center

Current Open Positions: 20

Position	Department	Current Status
Administrative Assistant III	Sheriff's Office – Corrections	Internal Candidate – promotion date is 6/6/2022
Chief Assistant Public Defender	Public Defender	Unfilled
Corrections Lieutenant	Sheriff's Office – Corrections	Internal Candidate – promotion date is 6/6/2022
Corrections Officer	Sheriff's Office – Corrections	Candidate Identified – start date is 6/6/2022
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Deputy Circuit Court Clerk (PT25)	County Clerk	Unfilled
Deputy District Court Clerk	District Court	Unfilled
Deputy Drain Commissioner – Engineer	Drain Office	Unfilled
Deputy Register of Deeds	Register of Deeds	Candidate Identified – start date is 6/13/2022
Deputy Sheriff	Sheriff's Office	Unfilled
Drain Maintenance Technician	Drain Office	Unfilled
IRPT Janitor	Facilities	Unfilled
Irregular Victim Advocate Specialist	Prosecuting Attorney	Unfilled
Program Coordinator	Transportation	Unfilled
Telecommunicator	Central Dispatch	Unfilled
Transportation Director	Transportation	Candidate identified – start date is 6/20/2022
Youth Specialist (PT32)	Youth Home	Unfilled
Youth Specialist Supervisor	Youth Home	Internal Candidate – promotion date is 6/6/2022

For more information regarding the above, please contact Lyn Holoway, HR Manager at (269) 673-0537.

## OPERATIONS

**Facility Master Planning** – A resolution has been placed on the June 9, Board of Commissioners (Board) Meeting to authorize a capital budget adjustment. The adjustment will allow for a contract to be fully executed and will provide for facility master planning services. Services are expected to begin in

July with Wightman and continue through the end of November; see Attachment A for detailed schedule. This will keep the project on time for a delivered report to the Board by the end of the year. For more information regarding this matter, please contact Steve Sedore, Executive Director of Operations, at (269) 673-0373 or [ssedore@allegancounty.org](mailto:ssedore@allegancounty.org).

**Courthouse/Youth Home Carpet Replacement** (Last reported on May 12, 2022) – During the May 12 Board meeting, three carpet patterns being considered by Facilities Management were presented. After engaging managers within the Courthouse with the patterns, as requested by the County Administrator during the meeting, the pattern shown in the image to the right was favored. This pattern will be communicated to the bidder for use on the project. For more information regarding this matter, please contact Carl Chapman, Facilities Management Director, at (269) 673-0207 or [cchapman@allegancounty.org](mailto:cchapman@allegancounty.org).



**Mobile Computer Terminals** (Last reported on May 12, 2022) – The deployment of new Law Enforcement Mobile Computing Terminals (MCTs) is near completion with 87 of the 92 units deployed. The new units are working well and the roll out process has been very successful. Contact has been made with local law enforcement agencies to schedule the replacement of the few remaining new MCTs. The project should be completed by the end of June. For more information regarding this matter, please contact Randy Vanatter, Technical Services Manager, at (269) 686-5262 or [rvanatter@allegancounty.org](mailto:rvanatter@allegancounty.org).



**New Register of Deeds Public Service Window** (Last reported on May 26, 2022) – The new public service window has now been constructed as shown in the picture to the left. It was reported previously that this project would be completed by May 31, which was in error. Full completion of the project was originally scheduled for completion in June. However, installation of the window itself was scheduled for completion by May 31, and this deadline was met. Over the next couple of weeks, final touches will be completed such as trim work and metal shutters. The new service window will address safety and security concerns and make services more accessible. The project is expected to be complete within or under the \$5,000 budget. For more information regarding this matter, please contact Carl Chapman, Facilities Management Director, at (269) 673-0207 or [cchapman@allegancounty.org](mailto:cchapman@allegancounty.org).

## FINANCIAL STABILITY

**Municipal Employees' Retirement System (MERS) Annual Actuarial Valuation Report** – Annually, MERS performs an actuarial valuation of the assets (investments) in the County's Defined Benefit Retirement Plan. This valuation strives to answer the question, "does the plan have enough assets to cover all of the benefits that have been promised to retirees and their survivors? The answer is expressed as a "percent funded" ratio, with one hundred percent being the goal. When the County's assets are less than one hundred percent, MERS increases the County's monthly contribution amount, which is a drain on operations. During the development of the April 22, 2021, Strategy Document, a \$7.65 million lump-sum contribution to MERS was planned for execution in fiscal year 2022, which was designed to restore the County's funded level to 100%. This number was based on the valuation that was released in May of 2020, which was based on December 31, 2019, data. That number was subsequently updated to \$7.2 million by MERS, in the December 31, 2020, report.

On May 31, of this year, MERS released the annual actuarial report that is based on December 31, 2021 data. The relevant page from the report ("Table 7: Actuarial Accrued Liabilities – Comparative Schedule); attachment B. Due to the strong stock market performance of 2020 and 2021, only \$3.8

million is needed for the County to be considered 100% funded – almost a 50% drop from the previous year. The corresponding funding percent has increased from 90 to 95, which is also a positive development. Looking forward into 2022, the stock market is roughly 20% down from the previous year level. While there is more than half a year for the market to recover, if this decrease holds, it will surely push the unfunded amount higher. Unless the Board directs otherwise, County Administration will maintain the original plan to make a \$7.65 million lump-sum contribution to MERS. For further information, please contact Executive Director of Finance Lorna Nenciarini at 269-673-0228 or [lnenciarini@allegancounty.org](mailto:lnenciarini@allegancounty.org).

**Allegan County Receives Maximum Grant Award** (Last action taken on February 10, 2022 through Board Resolution) – The County was recently awarded a \$100,000 “First Responder Training and Recruitment” grant from the State of Michigan Department of Treasury. Initially funds are expected to be utilized to offset costs for cadet recruitment and academy sponsorship. Stakeholders are also being contacted to develop other training/recruiting based projects to utilize any remaining funding that must be spent by September 30, 2022. The state seems to be very flexible in terms of what expenditures will be considered. A Frequently Asked Questions document states, “There is not a specific list of allowed or excluded expenses.” While helpful in that the County is somewhat free to design what will most meet its needs, the lack of clear guidance is problematic, as avoidance of disallowed expenditures is always a priority. For further information, please contact Executive Director of Finance Lorna Nenciarini at 269-673-0228 or [lnenciarini@allegancounty.org](mailto:lnenciarini@allegancounty.org).

## SERVICES

**Economic Development 2<sup>th</sup> Quarter Update** – Lakeshore Advantage provided the 2<sup>nd</sup> quarter update at the May Economic Development Commission Meeting. The report highlights the activity as of May 2022 which includes: 13 projects, \$1.8 Billion in private investment, and 1,731 new or retained jobs. The majority of the private investment is from the LG Energy Solutions expansion; see Attachment C. For additional information contact Dan Wedge, Executive Director of Services at 269-686-4529, [dwedge@allegancounty.org](mailto:dwedge@allegancounty.org) or Mandy Cooper, Vice President, Strategic Initiatives, Lakeshore Advantage 616-772-5226 ext. 202 or [amanda.cooper@lakeshoreadvantage.com](mailto:amanda.cooper@lakeshoreadvantage.com).

**COVID-19 Update** (Last reported on 5/26/22) – In an effort to keep the Board more directly informed on the continuing pandemic, a special BOC report has been developed by Public Health (Attachment D). While the data is already shared and accessible through several venues, this report will make it easier for commissioners to have direct, focused access to the information. The report is planned to be bi-weekly and a regular part of the Administrative updates. To provide feedback on the report design/concept or for more information, please contact Angelique Joynes, Health Officer at [ajoynes@allegancounty.org](mailto:ajoynes@allegancounty.org).

**Environmental Health Service Delivery Update** (Last reported on 5/26/2022) – Currently, 100% of the eligible applications, received through May 8, were issued within the timeframe (4/25/2022 – 5/8/2022), the 14 business day benchmark, attachment E. 99% of all customers (5/9/2022 - 5/22/2022) were contacted within 5 business days of submitting their application. If you have any questions please contact Environmental Health Services Manager Randy Rapp at (269) 686-4506.

**Office of the Public Defender (OPD) - Legal Internship Development** – Lorna Sture has commenced her Law School Summer Internship with OPD. Lorna is already involved in all facets of providing assistance to OPD’s staff attorneys through OPD’s Holistic Defense project. Assistant Public Defender, Dario Sierra, has led the OPD’s Legal Internship Program development. All of OPD’s Assistant Public Defenders have worked with Lorna and provided significant learning opportunities during her Legal Internship. For additional information please contact Assistant Public Defender, Dario Sierra at 269-686-4720 or [dsierra@allegancounty.org](mailto:dsierra@allegancounty.org).

**MIDC West Michigan Regional Investigator Group** – In February and May 2022 Chad Catalino, Public Defender, led strategic planning sessions for the Michigan Indigent Defense Commission (MIDC) West Michigan Regional Investigator Group. This group consists of West Michigan Public Defenders, and West Michigan Public Defender’s Investigators and focused on regional strategic planning efforts.



Through collaboration, the group provides public defender investigators with more relevant tools with which to conduct investigations as well as increased support to operate within the overall law enforcement and investigative community. After the February and May 2022, strategic planning meeting, the West Michigan Regional Investigator Group collaborated with the MIDC West Regional Manager to present its initial findings and requests to the MIDC Board during its June 2022 meeting. For additional information please contact Public Defender Director Chad D. Catalino at 269-686-4720 [ccatalino@allegancounty.org](mailto:ccatalino@allegancounty.org).

**Recycling Educational Postcards** – The Resource Recovery Program was awarded the *Michigan Small Community Education Grant*, an effort funded by the Michigan Department of Environment, Great Lakes and Energy (EGLE) along with The Recycling Partnership. This grant did not require a match and provided access to The Recycling Partnership’s customizable recycling education templates. Both a curbside and drop-site recycling informational postcard were customized with the County’s website address and QR code, printed, and mailed directly to 23,679 residents. An additional 8,571 postcards will be mailed to the county to distribute directly to Resource Recovery Program participants as needed. The grant opportunity was created to decrease contamination, increase the quantity and quality of recyclables collected, and alleviate the financial challenges smaller Michigan communities face in providing recycling education and outreach materials to inform residents about how, where, and why to recycle. Images of both postcards are below.

Curbside participant postcard:



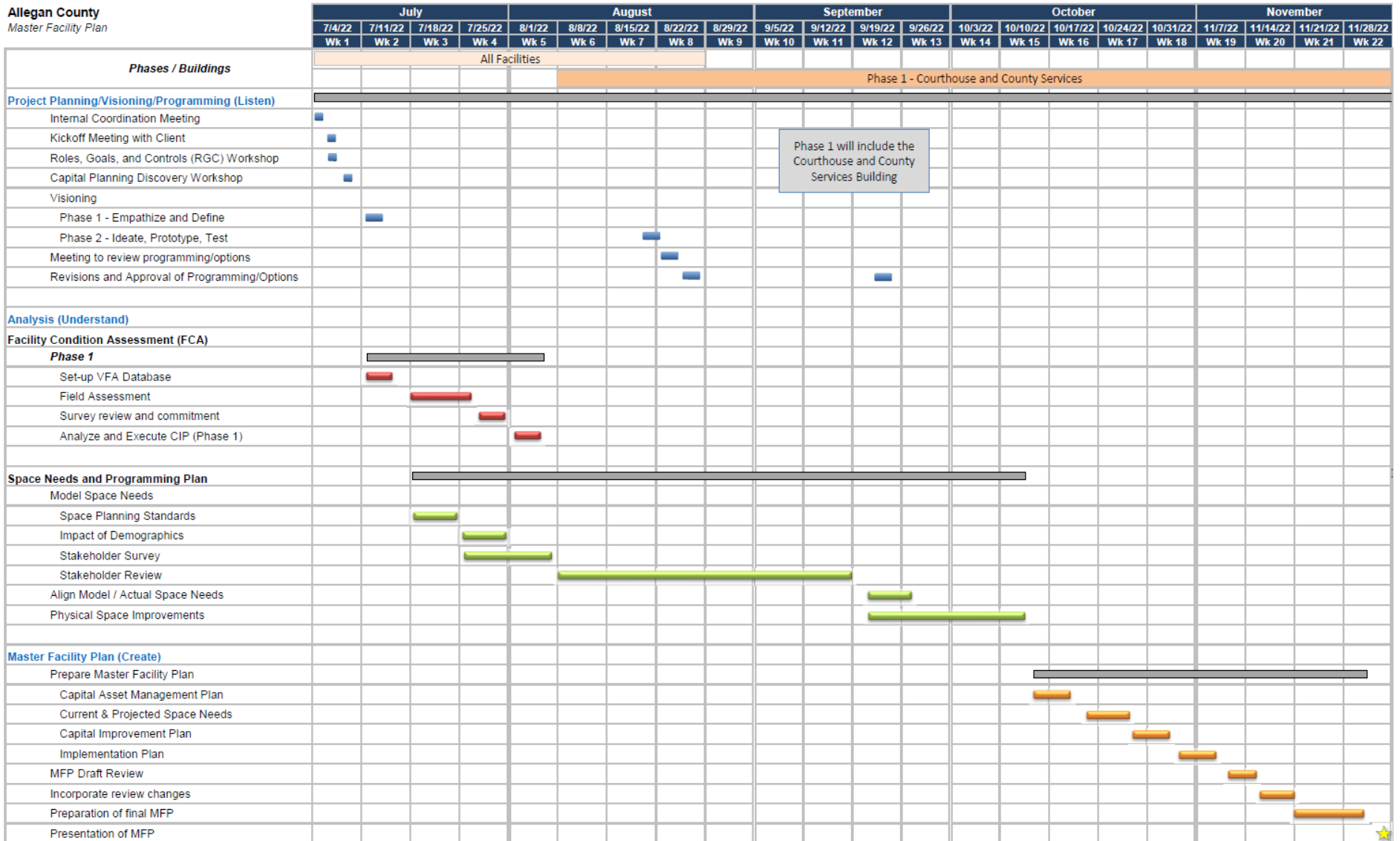
Drop-site participant postcard:



For more information regarding this matter, please contact Rosemary Graham, Resource Recovery Coordinator 269-673-5415.

# Attachment – Master Facility Plan Schedule

**Allegan County**  
Master Facility Plan



## Table 7: Actuarial Accrued Liabilities - Comparative Schedule

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2007	\$ 47,932,374	\$ 37,985,607	79%	\$ 9,946,767
2008	49,617,448	38,890,393	78%	10,727,055
2009	50,878,846	39,627,647	78%	11,251,199
2010	52,745,867	40,573,210	77%	12,172,657
2011	55,728,491	41,155,303	74%	14,573,188
2012	57,884,132	41,059,778	71%	16,824,354
2013	60,432,440	41,941,737	69%	18,490,703
2014	62,396,098	62,190,295	100%	205,803
2015	67,371,559	61,597,249	91%	5,774,310
2016	68,151,365	60,954,708	89%	7,196,657
2017	68,388,490	67,576,553	99%	811,937
2018	70,058,595	66,087,882	94%	3,970,713
2019	70,416,280	65,416,648	93%	4,999,632
2020	73,615,771	66,359,398	90%	7,256,373
2021	77,357,256	73,523,677	95%	3,833,579

Notes: Actuarial assumptions were revised for the 2008, 2009, 2010, 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The Valuation Assets include assets from Surplus divisions, if any.

Years where historical information is not available will be displayed with zero values.

Throughout this report are references to valuation results generated prior to the 2018 valuation date. Results prior to 2018 were received directly from the prior actuary or extracted from the previous valuation system by MERS's technology service provider.

## ACEDC 2022 Q2 Update

# SUCCESSSES TO DATE



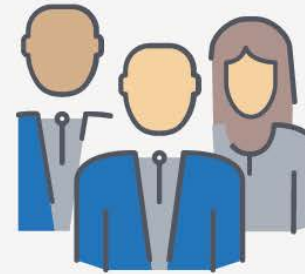
**13**

Successful projects



**\$1.8**

Billion in private investment



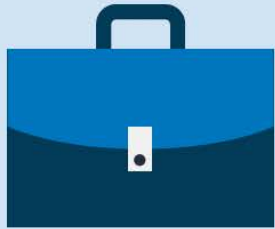
**1,731**

New or Retained jobs



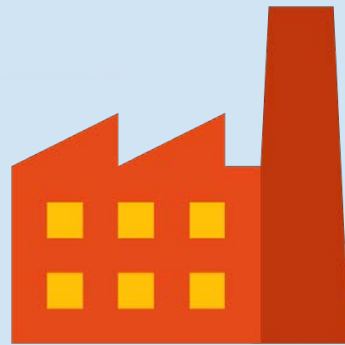
LAKESHORE  
ADVANTAGE

# CURRENT PROJECT PIPELINE



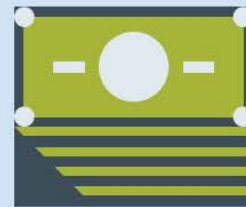
**28**

projects in  
the pipeline



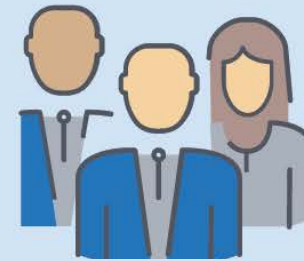
**847K**

potential square  
footage



**\$525k**

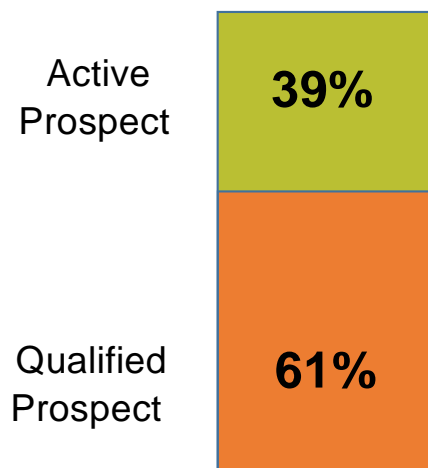
in new  
potential  
investment



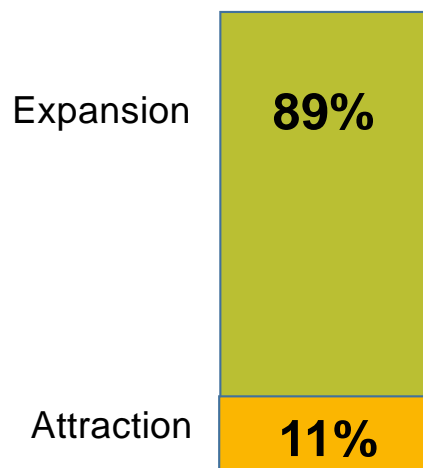
**1,651**

potential new  
or retained jobs

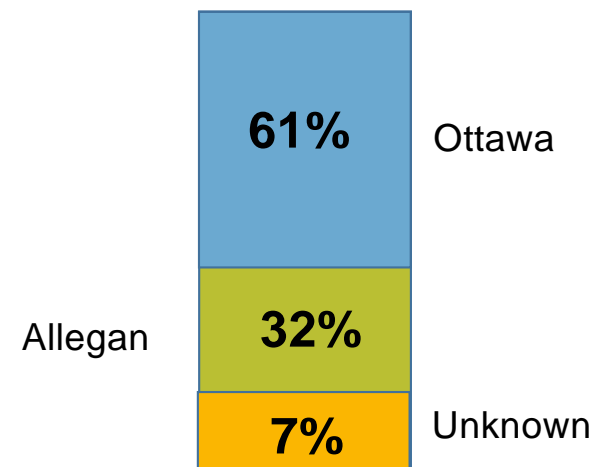
# BY THE NUMBERS



**PROJECT STATUS**



**PROJECT TYPE**



**PROJECT LOCATION BY COUNTY**



# ACTIVITY UPDATE



## **SURGE Center Announced**

New pilot business  
incubator  
25 member companies



## **Water Workgroup Presentation**

Demographic trends



## **ACATEC Training Equipment Grant Awarded**

\$30,400 to ACATEC  
for health care training  
equipment



# Team News



## Jennifer Owens Top 50 Economic Developer

Lakeshore Advantage President, Jennifer Owens, named one of top 50 economic developers in the nation by Consultant Connect.



## Annual Meeting

**June 23 at 3p**  
City Flats Hotel  
Holland, MI



## Allegan Investor Event

**August 17**  
Location TBD  
Immediately following  
ACEDC meeting



# COVID-19 BOARD OF COMMISSIONER UPDATE

JUNE 7, 2022

Data as of June 6, 2022

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EXECUTIVE SUMMARY

The following report contains COVID-19 related data from May 20, 2022, to June 2, 2022, on the 5 mitigation components Allegan County Health Department (ACHD) previously identified. Allegan County is currently in a low COVID-19 community level, but the Test Positivity Rate for Allegan County has been trending **upward** for eight consecutive weeks. ACHD continues to monitor local, statewide, and global COVID-19 data, and continues to follow Michigan Department of Health and Human Services (MDHHS) and the Centers for Disease Control and Prevention (CDC) recommendations.

This report contains information on the importance of staying up-to-date on COVID-19 vaccinations and boosters to help prevent the spread of COVID-19, information on COVID-19 rebound and Paxlovid, information and resources for parents on how to keep your children safe from COVID-19 during the end of the school year and at summer activities, and more. Check out the Appendices section of this report for educational graphics on resources in the Allegan County area.

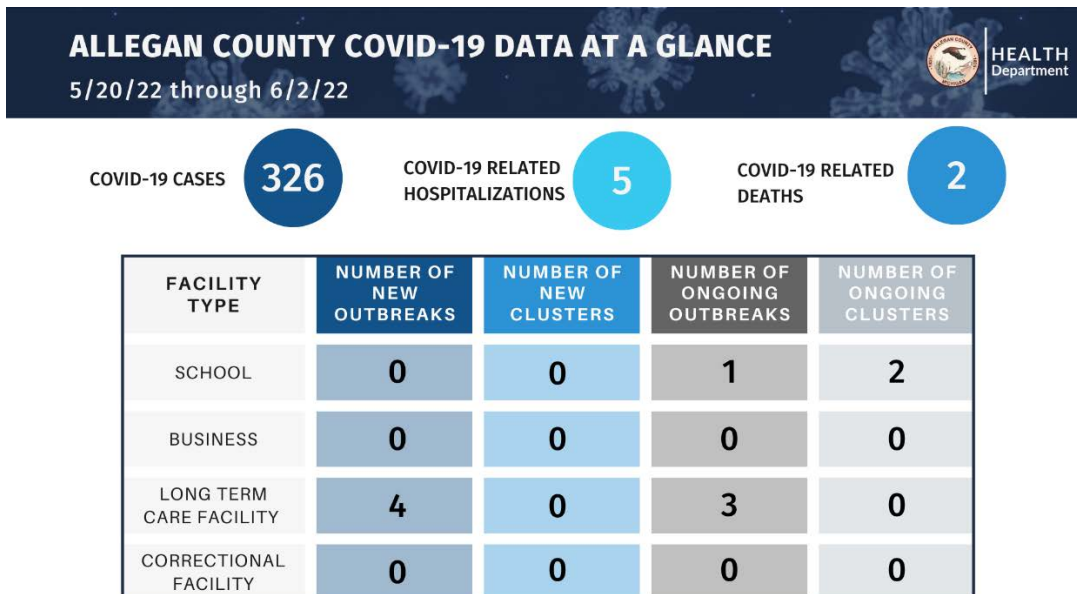
ACHD is looking to expand this report to include other public health topics, including monkeypox, avian influenza, groundwater, and more. After this June 7<sup>th</sup> COVID-19 Update, the name of the report will change to “BOC COVID-19 and Other Public Health Emerging Topics Update.” With the recent activity of monkeypox in the United States, there is a section of monkeypox surveillance towards the end of this report.

**As Allegan County remains in a low COVID-19 Community level.** These Community Levels can be low, medium, or high and **are determined by looking at hospital beds being used, hospital admissions, and the total number of new COVID-19 cases in an area.** Find more about COVID-19 Community levels [here](#).

**ACHD continues to recommend the following:**

- Staying up-to-date on your COVID-19 vaccines
- Getting tested if you have symptoms, before and after traveling, and before gathering with others.

An overview of COVID-19 data in Allegan County from 5/20/22 to 6/2/22 can be found in the graphic below:



COVID-19 MITIGATION COMPONENTS



Allegan County currently is at a low community transmission level for COVID-19. At this time, ACHD is encouraging residents to stay [up-to-date](#) with their COVID-19 vaccines, be tested if they develop symptoms, and consider wearing a mask when needed.

**Allegan County COVID-19 Community Level: Low**

**Allegan County Health Department recommends everyone to:**

**Stay up to date on your COVID-19 Vaccines**

**Get tested if you have symptoms**

Actions including social distancing, frequent handwashing, wearing a well-fitted face mask, and isolation/quarantine help lessen the level of transmission

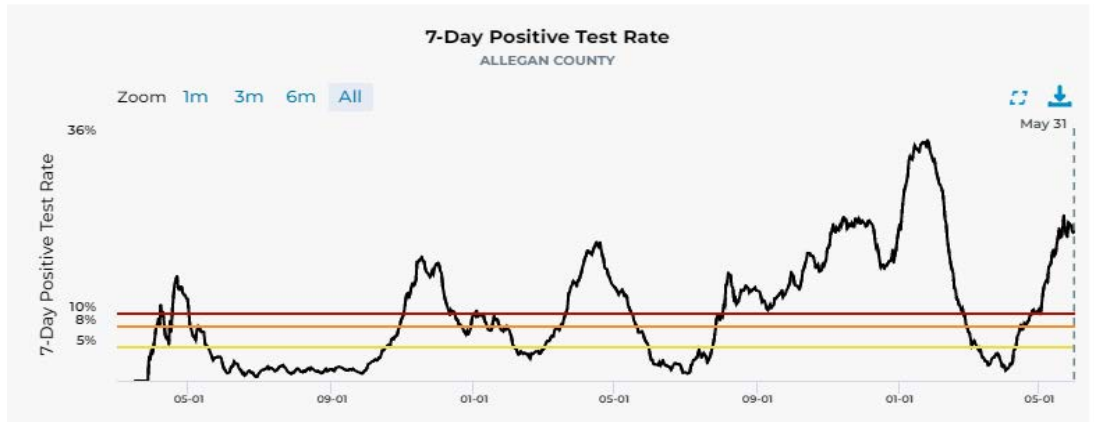
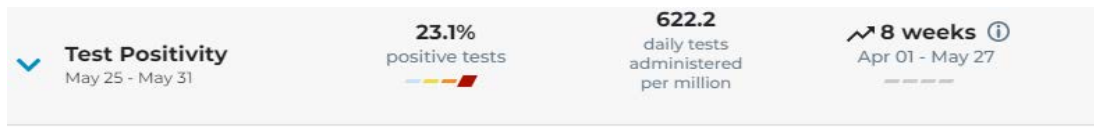
Learn more about CDC's COVID-19 Community Levels [here](#).

#DoYourPart

COVID-19 Community Levels are a tool to help communities decide what prevention steps to take based on the latest data. Levels can be low, medium, or high and are determined by looking at hospital beds being used, hospital admissions, and the total number of new COVID-19 cases in an area. Find more about COVID-19 Community levels [here](#).

## ENHANCED ABILITY TO TEST

### COUNTY-LEVEL DATA AS OF MAY 31, 2022

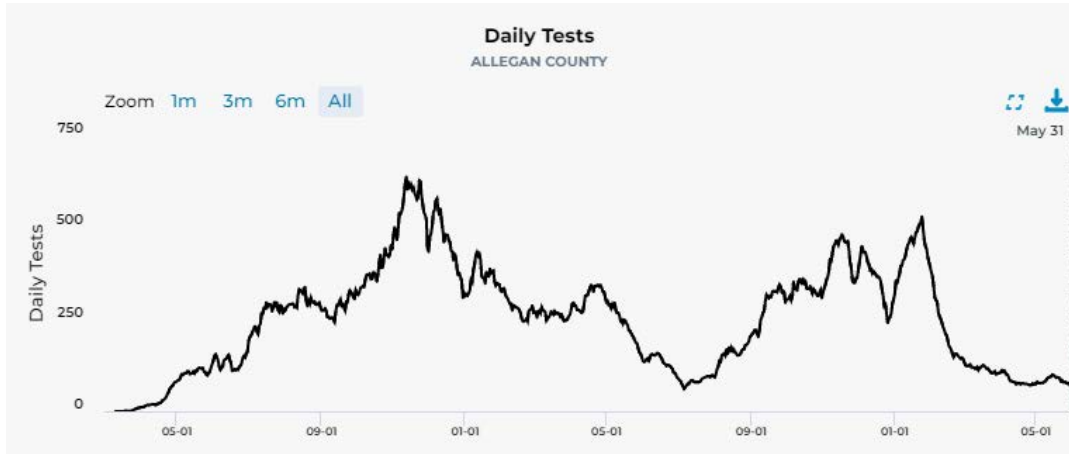


The Test Positivity Rate for Allegan County has been trending **upward** for eight consecutive weeks. **The 7-day positivity rate for Allegan County as of May 31 is 23.1% with 622.2 daily tests administered per million. This indicates a 2.1% increase in the 7-day positivity compared to the 5/11/2022 to 5/17/2022 reporting period, which had 825.5 daily tests administered per million.**

## TEST AVAILABILITY



Demand for testing has remained low since the Omicron surge. Daily tests administered in Allegan County have also remained low.



Currently, there are multiple options in Allegan County where residents can obtain at-home testing kits or get tested for COVID-19. At this time, at-home tests are not reported in the Michigan Disease Surveillance System (MDSS) and therefore, are not included in the test positivity rates or case counts.

*See Appendix below for a list of testing resources available*

to community members.

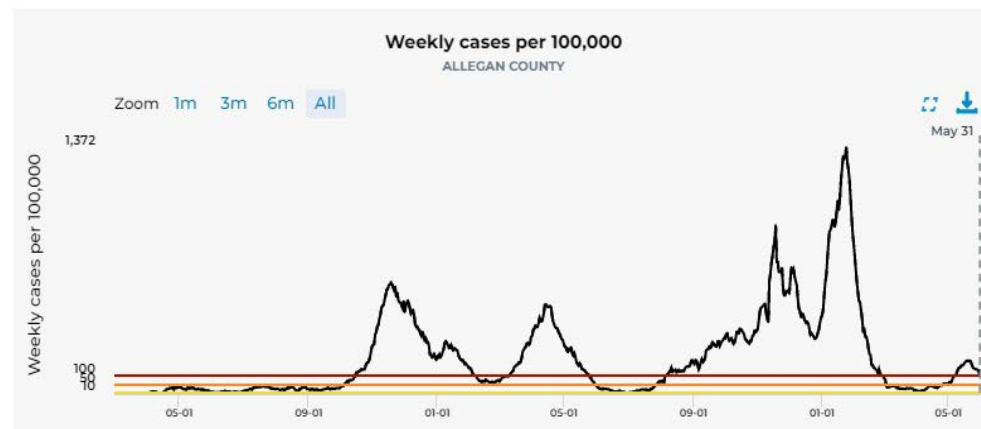
## ROBUST CASE INVESTIGATION AND CONTACT TRACING

### ALLEGAN COUNTY COVID-19 COMMUNITY LEVEL: LOW

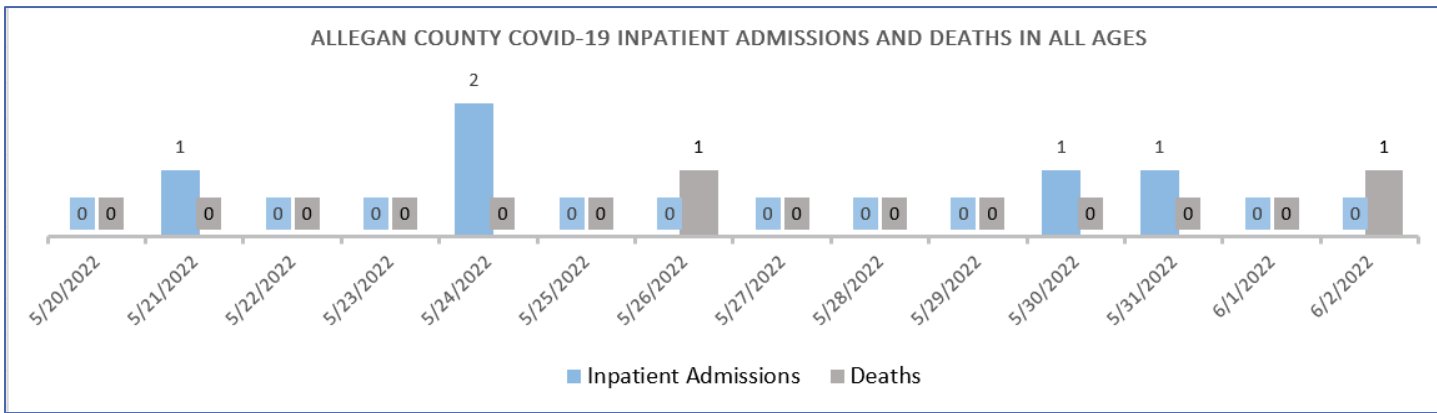
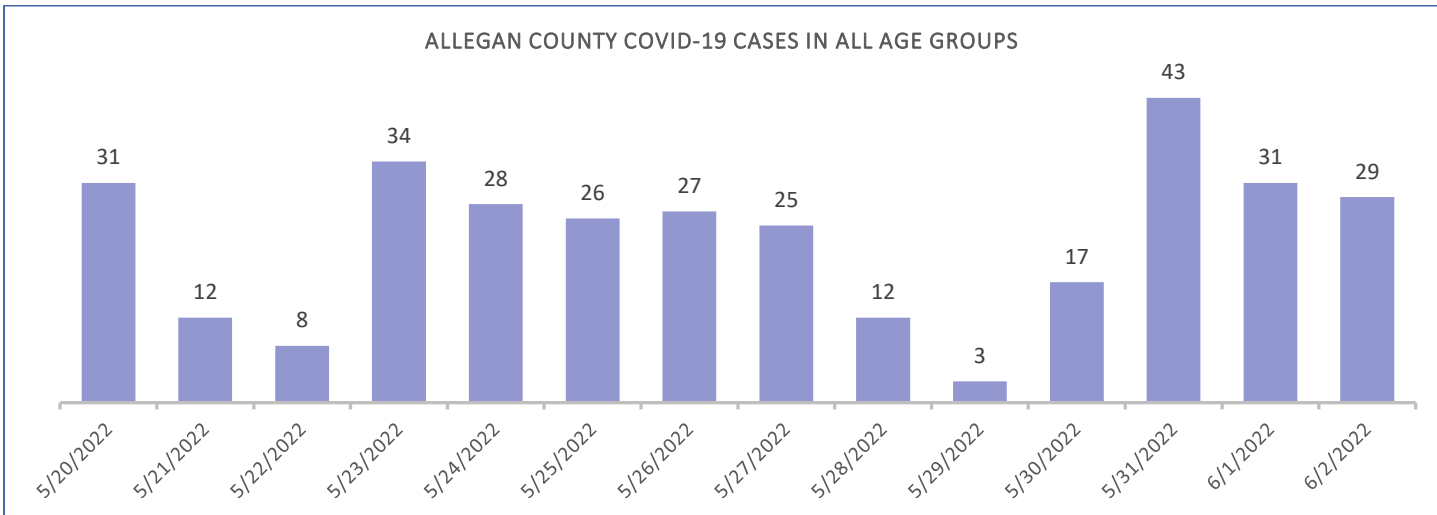
<p><b>New Cases</b> May 25 - May 31</p>	<p><b>129.6</b> weekly cases per 100,000 population</p>	<p><b>153</b> weekly cases</p>
---	---	------------------------------------

As of 5/31/2022, Allegan County remained at a low COVID-19 community level based on the CDC framework. **Models showed a significant decrease in cases compared to the 5/11/2022 to 5/17/2022 reporting period. During the period 5/25/2022 to 5/31/2022, Allegan County's new weekly case rate was 129.6 per 100,000 population with 153 weekly cases.**

**Weekly cases decreased more than 28% since the 5/11/2022 to 5/17/2022 reporting period (177.8 per 100,000 and 210 weekly cases).**



### OVERVIEW OF COVID-19 CASES AND DEATHS IN THE LAST TWO WEEKS (5/20/2022 – 6/2/2022)



DURING 5/20/2022 TO 6/2/2022:

- **326 total cases** were reported via the Michigan Disease Surveillance System (MDSS) for Allegan County.
  - o 252 confirmed cases and 74 probable cases related to SARS-CoV2 infection as reported.
- 20.9% of the cases were reported in the 30 to 39 age group, which had the highest number of cases during this timeframe.
- **Five hospitalizations** related to SARS-CoV-2 infection that were reported for Allegan County.
- **Two deaths** related to SARS-CoV-2 infection that were reported for Allegan County.
- 5.5% of the cases were reported to be related to international, domestic, and/or in-state travel.
- From 5/19/2022 to 6/1/2022, Allegan County had a reported<sup>1</sup> positivity rate of 21.7%, which is up from 19.7% that was reported for the previous 14-day time period of 5/6/2022 to 5/18/2022.

ACHD continues to monitor the COVID-19 metrics for hospitalizations and deaths as this can show the risk of a medically significant COVID-19 variant or healthcare system strain.

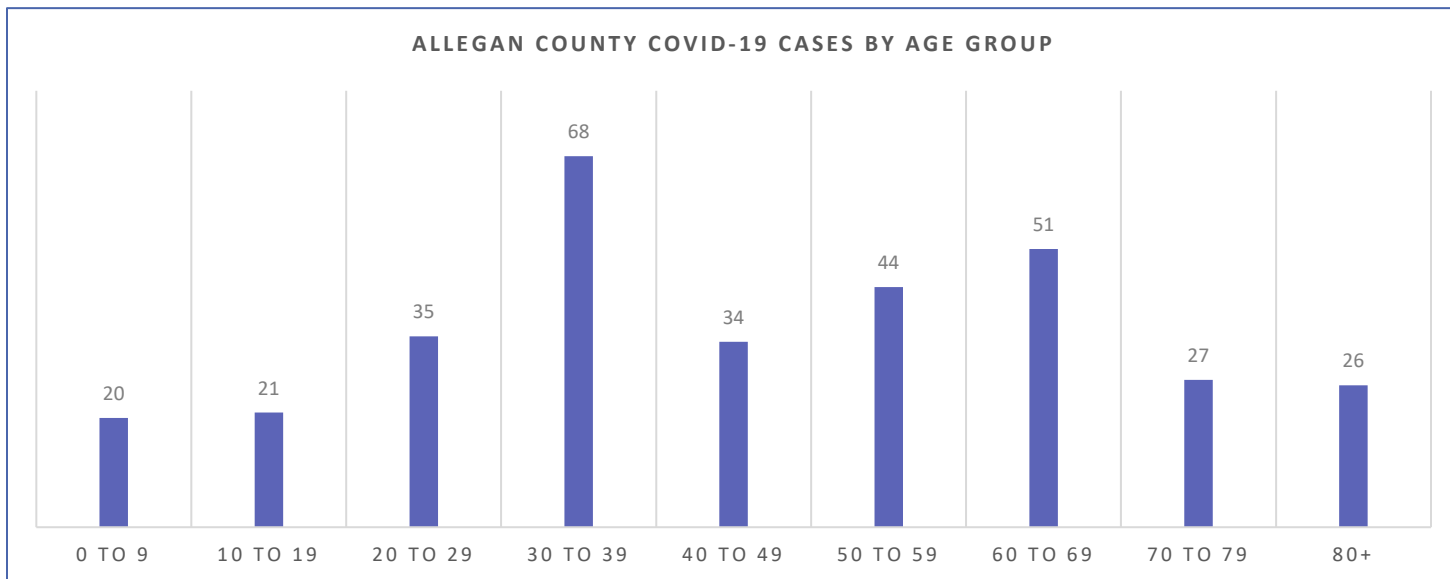
CASE INVESTIGATION<sup>2</sup>

ACHD is currently working to investigate all communicable disease cases. Prioritized groups for case investigation, when applicable, include individuals over the age of 65, school-aged individuals, and individuals that live or work in congregate care settings. During

<sup>1</sup> Michigan Health Alert Network (MI-HAN) Regional Data File  
<sup>2</sup> Case investigation consists of contacting the individual and asking standard questions related to the disease and identifying those who might have been exposed.

the case investigation process, ACHD works to ensure all basic needs are being met for individuals and their families. All cases receive a Patient Education Genius (PEG) notification that is provided via email or text messages for a case investigation form.

CASES IN THE LAST TWO WEEKS, BY AGE GROUP (5/20/2022 – 6/2/2022)



From 5/20/2022 to 6/2/2022, 5.2% of cases were reported as asymptomatic in the Michigan Disease Surveillance System (MDSS). As displayed in the chart above, the school-age population continues to stay at a slower surge compared to other age groups, which is similar with the current statewide pattern of case rates. Overall, cases in all age groups are plateauing across Michigan.

- **11.3%** of investigated cases were **household close contacts**<sup>3</sup>
- **1.2%** of cases were reported as **community contacts**<sup>4</sup>
- **9.8%** of cases were close contacts to those who work or live in a **high-risk/congregate facility** in Allegan County.

**Notifying close contacts helps individuals know about exposure and allows close contacts to make decisions that are more informed on their day-to-day lives.**

**326 cases** were reported in the MDSS from 5/20/2022 to 6/2/2022

EXPOSURE LETTERS AND CLOSE CONTACTS

ACHD sends potential Exposure Letters for COVID-19, similar to other communicable disease letters. Potential Exposure Letters are sent to school-aged individuals based on classroom and bus lists provided by schools. Quarantine might be required if there is an identified outbreak or ongoing spread in the facility. Recommendations regarding masking and quarantine may change as conditions evolve or if Allegan County moves to a high level of community transmission, based on the CDC framework.

**6,916 exposure letters** were sent out as of June 6, 2022

**0 close contacts** are currently being monitored as of June 6, 2022

OUTBREAKS & CLUSTERS

<sup>3</sup> Household contact: person lived with someone who tested positive and later tested positive themselves.

<sup>4</sup> Community contact: person who was identified as a close contact in a setting other than a household



The following table shows the number of outbreaks that ACHD has identified for high-risk settings in Allegan County as of June 2, 2022. **ACHD has identified four new outbreaks related to Long-Term Care Facilities<sup>5</sup> since the last update.** No new outbreaks or clusters were identified for schools since the last report on May 24, 2022. ACHD has not identified any new outbreaks for businesses since February 17, 2022. ACHD reported three new outbreaks, two ongoing<sup>6</sup> clusters and four ongoing outbreaks in MDHHS' Situation Report as of June 2, 2022.

ACHD has a Business Mitigation Strategies Survey for businesses and Long-Term Care Facilities to complete and provide us with information on what current mitigation strategies they have in place, if there has been an outbreak identified at their location.

Agencies can access the survey [here](#).

Type of Setting	Total Number of Outbreaks*
School	18
Business	8
Long Term Care <sup>β</sup>	24
Other Congregate Facilities <sup>α</sup>	2

\*Includes clusters per requirement indicated in MDSS' outbreak investigation fields to assign an outbreak code for 'clusters'

<sup>β</sup>Includes Skilled Nursing Facilities (SNF), Adult Foster Care (AFC), Home For the Aged (HFA), Assisted Living, and Independent Living facilities

<sup>α</sup>Includes jails, correctional facilities, and shelters

## LONG TERM CARE & OTHER CONGREGATE CARE FACILITIES

An outbreak investigation is initiated when a resident at a Long-Term Care Facility (LTCF) is identified as a confirmed case of COVID-19. For correctional facilities, either a confirmed or a probable COVID-19 case will prompt an outbreak investigation. MDHHS offers further support for facilities via the Infection Prevention and Resource Assessment Team (IPRAT) when ACHD identifies facilities that are experiencing a large number of positive COVID-19 tests. As of June 2, 2022, ACHD has connected **nine** LTCFs in Allegan County with the IPRAT Team for additional mitigation assistance. During the month of May, ACHD saw a significant rise in potential outbreaks at Long-Term Care Facilities, as has been observed statewide; this trend is now showing signs of decrease. Despite the recent surge in cases related to SARS-CoV-2 infections, the **hospitalizations and deaths** at these facilities remain low. In Allegan County, a total of 49 resident probable and confirmed cases were reported in May, with **1 hospitalization** and **0 deaths**. In Michigan, the number of Long-Term Care Facilities reporting three or more cases in a single reporting period **decreased** in AFC/HFA from 36 to 25, and in Skilled Nursing Facilities (SNF) from 44 to 39 as of May 31, 2022.

**Many of the Long-Term Care Facilities in Allegan County are experiencing staffing shortages.** As of May 31, 2022, in Michigan 31% of SNFs are reporting nursing shortages and 36% of SNFs are reporting aide shortages, which are relatively the same as last week.

**479 resident cases and 52 resident deaths have been reported from January 1, 2020, to May 24, 2022<sup>7</sup>**

According to statewide data<sup>8</sup>, the case counts reported in both residents and staff in both Adult Foster Care (AFC)/Home for the Aged (HFA) and Skilled Nursing Facilities (SNF) **increased** since the last report, two weeks prior. Cases within LTCFs continue to be higher among staff than among residents, as has been the case throughout the Delta and Omicron surges.

**787 staff cases have been reported from January 1, 2020, to May 24, 2022**

## SUFFICIENT HEALTH CARE CAPACITY

<sup>5</sup> Data from 10/21/2021

<sup>6</sup> The period of 28 days prior to the occurrence of an outbreak resolution

<sup>7</sup> The information above represents COVID-19 data reported directly to MDHHS by licensed and operating Skilled Nursing, Home for the Aged and Adult Foster Care facilities (licensed to serve 13 or more individuals) in Michigan from January 1, 2020, through May 24, 2022

<sup>8</sup> The data is from weekly reporting by facilities with bed occupancy of at least 13 beds

HOSPITALIZATIONS

Allegan County falls in the Region 5 Health Care Coalition. Given the location of the county, some community members will also access hospitals in the Region 6 Health Care Coalition (Grand Rapids-Holland Region). The chart below lists the hospitals that Allegan County community members may access for COVID-19 and non-COVID-19-related health needs and their current capacity levels.

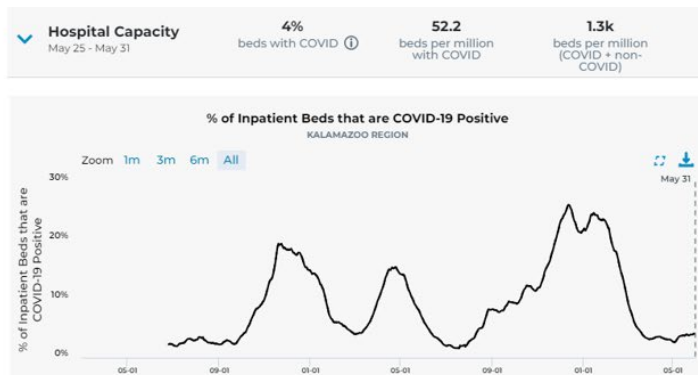
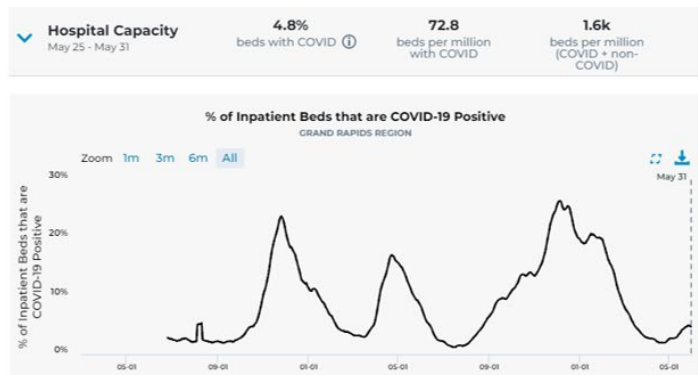
The following figures show the current percentage of inpatient beds treating COVID-19 patients, for the Grand Rapids Region (Region 6), and Kalamazoo Region (Region 5). Percentage of inpatient beds that are COVID-19 positive has been increasing for the past **4 weeks**. The **Grand Rapids Region** had **4.8%** of inpatient beds that are COVID-19 positive, as of May 31, 2022, which is **.9 % higher** than the previous reporting period, May 11 to May 17. The **Kalamazoo Region** had **4%** of inpatient beds that are COVID-19 positive, as of May 31, 2022, which is **.2 % higher** than the previous reporting period, May 11 to May 17.

HOSPITALS IN THE ALLEGAN COUNTY AREA

Note: Some smaller hospitals might not have ICU beds for COVID-19 or non-COVID-19 patients

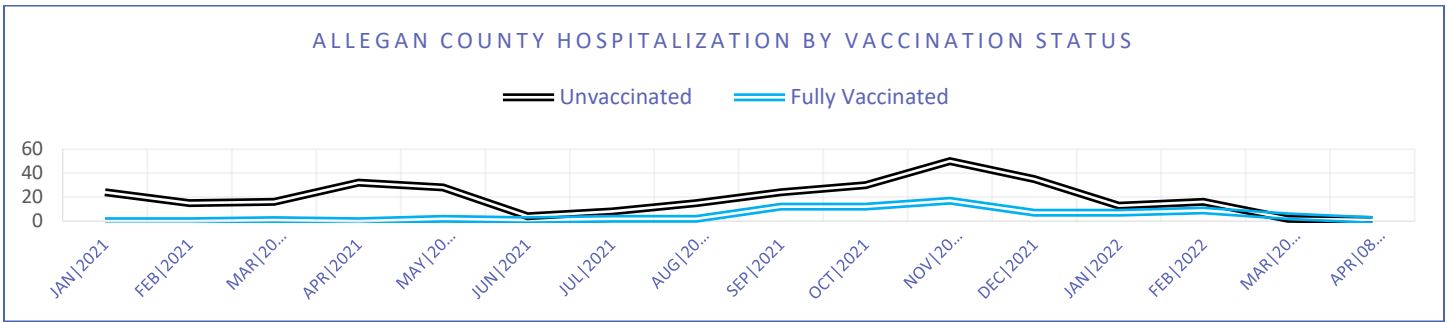
As of 5/30/2022

Hospital	COVID-19 Patients	COVID-19 Patients in ICU	Bed Occupancy %
Ascension Borgess Allegan Hospital	0	0	16%
Ascension Borgess Hospital	3	0	95%
Ascension Borgess-Pipp Hospital	0	0	59%
Bronson Methodist Hospital	18	1	89%
Bronson South Haven	1	0	88%
Holland Community Hospital	1	0	71%
Mercy Health Mercy Campus	22	1	74%
Mercy Health St. Mary's Main Campus	17	0	65%
Metro Health Hospital	6	0	76%
Spectrum Health - Blodgett Hospital	13	0	83%
Spectrum Health - Butterworth Hospital	26	5	85%
Spectrum Health Zeeland Hospital	1	0	42%
Spectrum Helen DeVos Children's Hospital	6	0	80%



Vaccinations are effective at reducing hospitalizations from COVID-19. In Allegan County, **80.3%** of the **hospitalizations** from 1/1/2021 to 4/8/2022<sup>9</sup> have been in those that are **unvaccinated**.

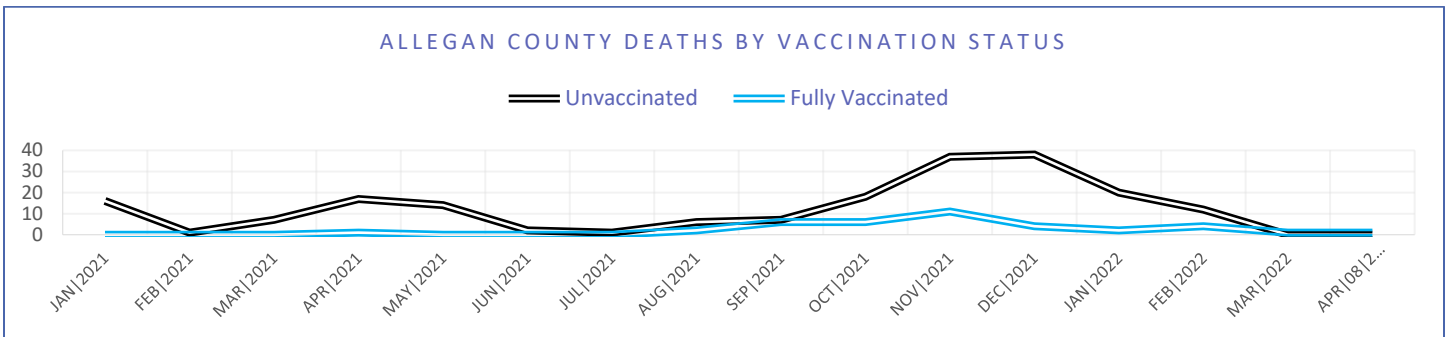
<sup>9</sup> Updated data was not available at the time of publication, see section "MDHHS Countywide Breakthrough Data Distribution Update" on page 14



**DEATHS**



Similarly, vaccinations are effective at preventing deaths from COVID-19. From 1/1/2021 to 4/8/2022<sup>10</sup>, **83.8%** of **COVID-19 deaths** were identified in **unvaccinated** Allegan County individuals.



**BEST PRACTICES**

**SCHOOLS**

Children ages 5 and up are now eligible to receive COVID-19 booster doses at least 5 months after receiving their primary vaccine series. ACHD encourages parents to keep their children up-to-date with their COVID-19 vaccinations to help prevent COVID-19 from spreading at school. As the school year ends, and summer activities start up, it's also important to keep children safe based on your [COVID-19 Community Level](#). Parents can learn more COVID-19 Community levels, and about keeping their children COVID-19 safe in and out of school [here](#).

<sup>10</sup> Updated data was not available at the time of publication. See section "MDHHS Countywide Breakthrough Data Distribution Update" on page 14.

ACHD has identified one new outbreak and one new cluster related to schools as of May 19, 2022. School related COVID-19 clusters and outbreaks are reported by ACHD each week to the Michigan Department of Health and Human Services (MDHHS). Weekly data on these clusters and outbreaks can be viewed [here](#).

## BUSINESSES

Businesses should continue to ensure increased ventilation, social distancing when possible, frequent handwashing, individuals staying home when sick and enhanced cleaning. These strategies help keep a healthy workplace.

## COMMUNICATIONS

COVID-19 Health Education has been a mandated service in this response. The following are metrics related to COVID communication efforts from 5/20/2022 – 6/2/2022:

- 5 Social media posts
- 9 Education materials created/updated

## COMMUNITY VACCINATION/HERD IMMUNITY/TREATMENT

### STAYING UP-TO-DATE ON COVID-19 VACCINES AND BOOSTERS

After vaccination, your body's ability to fight off COVID-19 can decrease over time. COVID-19 vaccine boosters can further enhance or restore protection that might have decreased over time after your primary series vaccination.

Those eligible for COVID-19 boosters at this time are:

- Everyone ages 5 years and older should get 1 booster after completing their COVID-19 vaccine primary series.
- Adults ages 50 years and older should get 2 booster doses after completing their COVID-19 vaccine primary series.
- People ages 12 years and older who are moderately or severely immunocompromised should get 2 booster doses after completing their COVID-19 primary series.

The Centers for Disease Control and Prevention (CDC) also released a [new tool](#) that lets you quickly see if and when you're eligible for a COVID-19 booster.





To view the COVID-19 Vaccination Schedule click [here](#). To view the Immunocompromised COVID-19 vaccination schedule click [here](#).


### COVID-19 REBOUND AND PAXLOVID

In December 2021, a COVID-19 antiviral—Paxlovid—was authorized by the Food and Drug Administration (FDA) for emergency use in adults and pediatric patients 12 years of age and older in the United States. Paxlovid is a prescription oral antiviral drug that reduces the risk of hospitalization and death for patients with mild to moderate COVID-19 who are at risk of disease progression and severe illness. While Paxlovid does not prevent infection, it does prevent hospitalization and death by 90% among high-risk individuals.

Data as of June 6, 2022

**Who should get a COVID-19 vaccine booster?**  
AFTER COMPLETING YOUR PRIMARY VACCINE SERIES

	<b>Most children &amp; teens ages 5 and older</b>	1 Booster
	<b>Most adults under 50</b>	1 Booster
	<b>Adults ages 50 and older</b>	2 Boosters
	<b>People ages 12 years and older who have a weakened immune system</b>	2 Boosters

 [bit.ly/boosters-covid](https://bit.ly/boosters-covid)

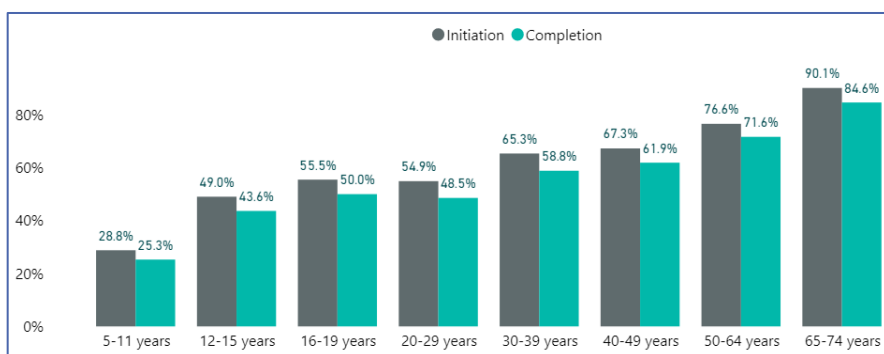
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In recent case reports there are some patients who have completed a 5-day course of Paxlovid experiencing illness 2 to 8 days later, including patients who have been vaccinated and/or boosted and tested negative after recovering from initial infection. This is often referred as COVID-19 rebound. COVID-19 rebound is a recurrence of COVID-19 symptoms or a new positive viral test after having tested negative. It has been reported to occur between 2 and 8 days after initial recovery and may be part of the history of SARS-CoV-2 (virus that caused COVID-19) regardless of treatment with Paxlovid and vaccination status. Those who are experiencing a recurrence of COVID-19 symptoms or a new positive viral test after having tested negative should restart isolation and isolate again for at least 5 days and follow the CDC recommendations regarding isolation.

It has been recorded that those who have been treated with Paxlovid, and has experience COVID-19 rebound, have had mild illness and there are currently no reports of severe disease. COVID-19 treatments like antivirals and MAB have been recommended to treat those who are experiencing mild to moderate COVID-19 among persons at high risk for progression to severe disease. Paxlovid continues to be one of those COVID-19 treatments that is recommended. These options will help lower risk of hospitalization, death, progression to severe disease, and serve as a tool for those who have tested positive. If you or someone you know have tested positive for COVID-19 please refer to the [CDC Quarantine and Isolation Guidelines](#).

For more information, visit the [CDC Health Alert Network \(HAN\) on Paxlovid Rebound](#).

## COVID-19 VACCINE COVERAGE BY AGE GROUP



### As of 6/4/2022

Residents aged **50+** have the highest percentage of vaccination, with these individuals meeting the 70% vaccination goal. Low vaccine rates seen in young children and adolescents may be due to the fact that emergency use was not authorized for this cohort until later on. Vaccine rates for ages **5-49** have been relatively stagnant since March 2022; vaccination rates for this group only increased about 1% since then.

## VACCINE AVAILABILITY

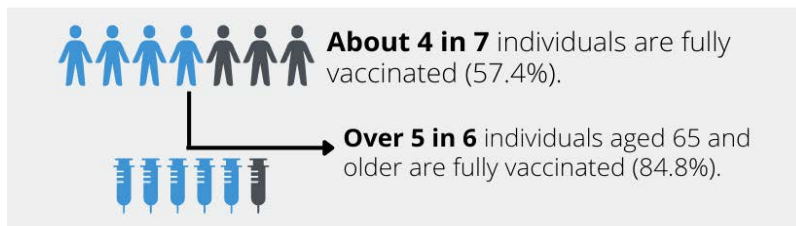
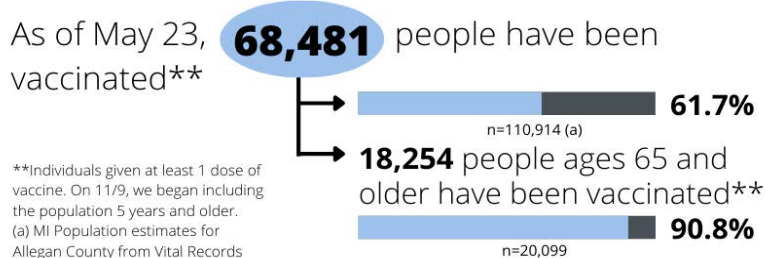
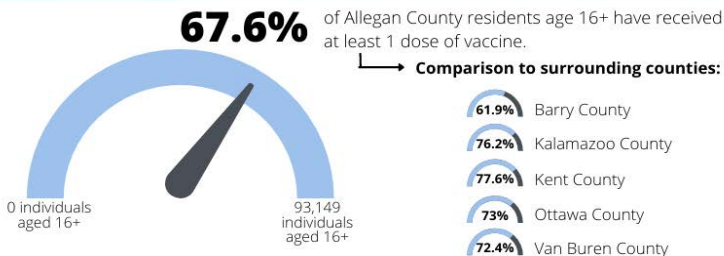
Vaccine availability remains high as pharmacies, doctor’s offices, and health care systems are administering vaccines. ACHD has vaccine appointments available for vulnerable populations or children in the Vaccine for Children program.

Residents are encouraged to visit [www.vaccinefinder.org](http://www.vaccinefinder.org) and [www.vaccinatewestmi.com](http://www.vaccinatewestmi.com) to find vaccination clinics near them, or call ACHD at 269-673-5411 to schedule an appointment.

ACHD works with businesses and organizations offering support and/or vaccination clinics if there is an outbreak detected and assistance needed.

# Allegan County VACCINE DATA

Updated 6/6/22  
Data as of 5/31/22



**Fully Vaccinated:** Individuals (5 years and older) receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

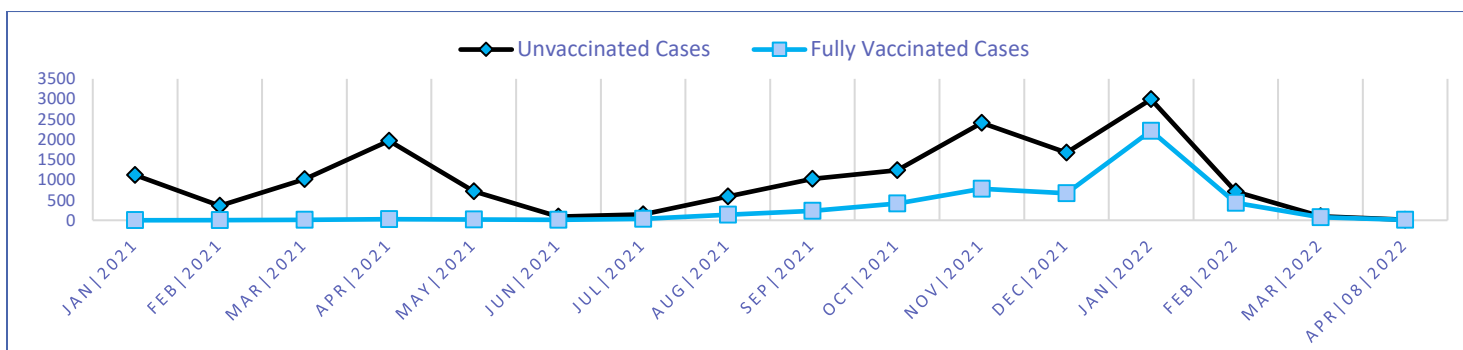
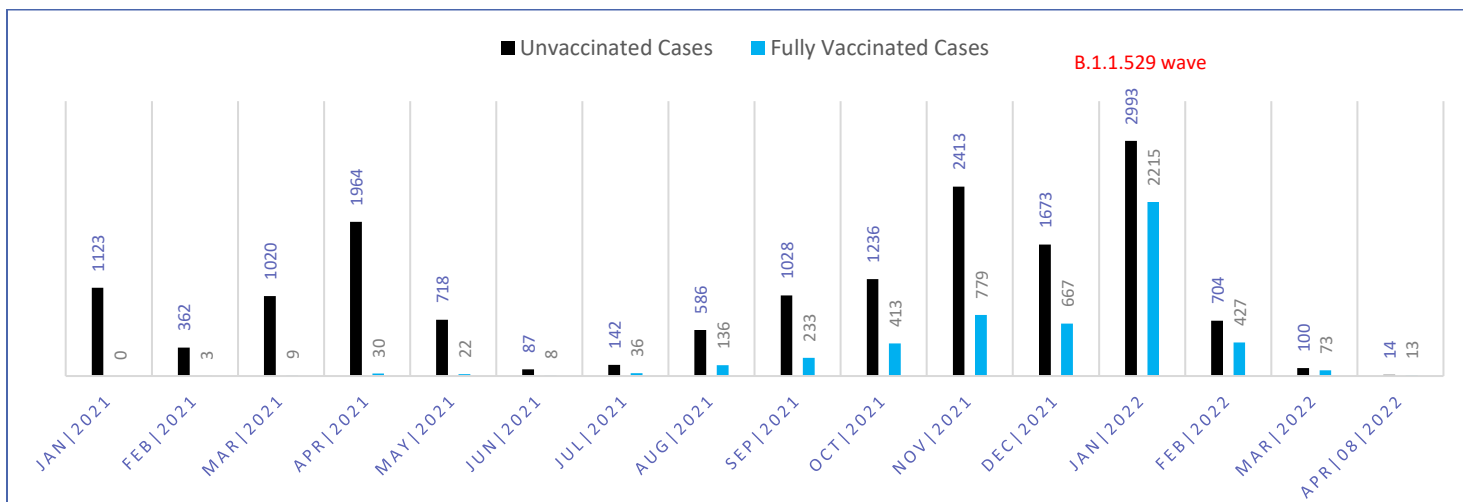
**Note:** Our goal of vaccinating 70% of the population accounted for the 16 and older population. With increasing the eligibility population, our vaccine coverage decreased. We are continuing to strive towards our goal of vaccinating 70% of residents 16 and older, which will reflect on the gauge at the top of this graphic.

**6/1/2021 Update:** Previous vaccine graphics included 96,451 as the population of Allegan County residents 12 years and older. After further review, 99,878 is a more accurate population estimation.

## EFFECTIVENESS

### ALLEGAN COUNTY UNVACCINATED AND FULLY VACCINATED COVID-19 CASES BY REFERRAL DATES 01/01/2021 TO 04/08/2022<sup>11</sup>

<sup>11</sup> Updated data was not available at the time of publication, see section “MDHHS Countywide Breakthrough Data Distribution Update” on page 14  
Data as of June 6, 2022



When comparing fully vaccinated cases to unvaccinated cases, it is important to note that unvaccinated cases are more likely to occur even though fully vaccinated cases have increased since July 2021. As seen in the charts, the unvaccinated (black line) has more cases compared to the fully vaccinated (blue line).

#### AS OF APRIL 08, 2022:

- 76% of the cases reported during this timeframe were identified as unvaccinated persons and 24% of cases met the CDC's case definition of a *breakthrough case*<sup>12</sup>
- Overall case rates as of April 8, 2022, indicate a continuation of Michigan in the *recovery phase*<sup>13</sup>
- Both unvaccinated and vaccinated cases saw an increase across all age groups during the *Omicron variant (B.1.1.529) wave* and plateauing during the *recovery phase*
- There were no hospitalizations and deaths that were reported in the 0 to 27 age group in fully vaccinated cases
- The [data and modeling](#) completed by MDHHS as of May 3, 2022, observed that through March (2022), unvaccinated individuals had a 1.8 times higher risk of testing positive for SARS-CoV-2 infection compared to individuals who were [up to date](#) on vaccinations. Individuals that were unvaccinated in the age group of 12 years and older had 2.8 times the risk of testing positive for COVID-19.

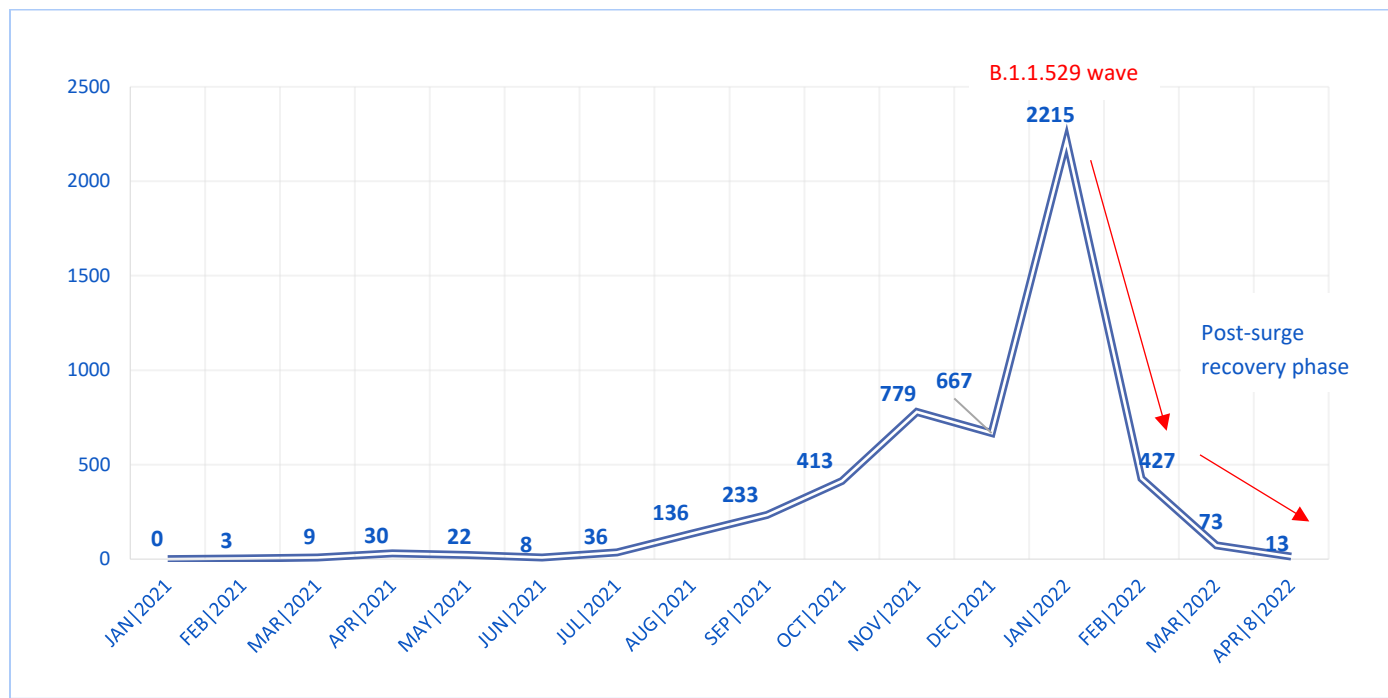
#### OVERVIEW OF ALLEGAN COUNTY COVID-19 BREAKTHROUGH CASES AS OF APRIL 08, 2022<sup>14</sup>

<sup>12</sup> Breakthrough case is defined as a SARS-CoV-2 infection occurring in an individual who is fully vaccinated (CDC)

<sup>13</sup> Recovery phase is the post-surge time period in which no immediate resurgence is predicted, and local and state public health will monitor conditions leading to future surges (MDHHS)

<sup>14</sup> Updated data was not available at the time of publication, see section "MDHHS Countywide Breakthrough Data Distribution Update" on page 14





AS OF APRIL 08, 2022:

- There were **23.9% (5,064) fully vaccinated cases** identified<sup>15</sup> from January 01, 2021, to April 08, 2022
- 8% of cases (including all ages) were reported as breakthrough cases
- 5.6% of cases in the 0 to 19 age group were reported as breakthrough cases
- 379 cases in the 0 to 18 age group were persons that met the CDC definition of being fully vaccinated or breakthrough case related to SARS-CoV-2 infection
- There were 1,045 cases (including all ages) with a specimen collection date  $\geq$  14 days after receipt of an additional or booster dose of any COVID-19 vaccine on or after August 13, 2021
- There have been no hospitalizations or deaths related to SARS-CoV-2 infection reported in the 5 to 11 age group.
- 2.8% of the cases in the latest vaccine eligible group of age 5-11 were reported as breakthrough cases
- 18.4% of cases were reported in the 50 to 59 age group, which is the group with the highest number of COVID-19 breakthrough cases
- The youngest fully vaccinated individual hospitalized related to SARS-CoV-2 infection was reported in the 20 to 29 age group
- The youngest fully vaccinated individual that died related to SARS-CoV-2 infection was reported in the 40 to 49 age group
- Both hospitalizations and deaths that had met the CDC's criteria of 'breakthrough cases' related to SARS-CoV-2 infection were seen to plateau during the post-surge recovery phase

#### MDHHS COUNTYWIDE BREAKTHROUGH DATA DISTRIBUTION UPDATE

**MDHHS has discontinued the countywide distributions of breakthrough cases as of April 27, 2022.** The last and final breakthrough data that was reviewed on an individual case level was completed for Allegan with a total number of 5,064 fully vaccinated cases as of April 8, 2022. **In the future, ACHD will be looking into ways to provide this level of information for individual cases by utilizing the case data reported via MDSS; however, we are currently exploring the limitations and challenges associated with this type of data export.** Due to the determination that calculating incidence risk ratios or vaccine effectiveness

<sup>15</sup> Identified via the MDSS-MCIR match criteria by referral, onset, diagnosis, or specimen collection dates.

using reduced sample sizes is not recommended for Local Health Jurisdictions (LHJ), **MDHHS continues to recommend that the best source available for LHJs to follow COVID-19 data by vaccination status is [CDC COVID Data Tracker](#).**

Michigan is following the recommendation of the CDC and investigating breakthrough COVID-19 cases on a population-level, rather than on a case level. This means that while MDHHS will continue to investigate trends and the overall incidence of COVID-19 breakthrough cases and deaths, however, will not regularly investigate the individual cases for specific identifiers<sup>16</sup>. Statewide trends will continue to be updated weekly for Michigan in the [data and modeling](#) slide decks.

The data surrounding the rates of breakthrough cases, and burden of hospitalizations and deaths related to the SARS-CoV-2 infection, is further captured by learning [How and Why CDC Monitors Vaccine Effectiveness](#). **Fully vaccinated individuals are less likely to develop serious infections, and are less likely to become hospitalized or die from a SARS-CoV-2 infection.**

The breakthrough analysis provided by the CDC is a robust picture of current statistics and data for breakthrough cases, and follows a rigorous assessment of overall trends rather than looking at individual cases. For more information and the latest data on rates of COVID-19 breakthrough cases, hospitalizations, and deaths, please refer to [CDC COVID Data Tracker: Rates of COVID-19 Cases and Deaths by Vaccination Status](#).

## COVID-19 SURVEILLANCE

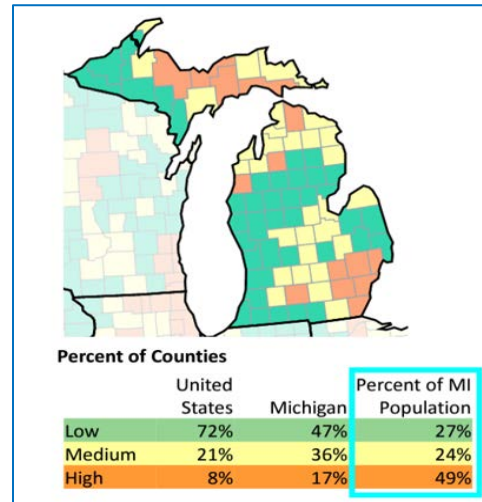
The main component of communicable disease investigation is surveillance, which is used to identify outbreaks or surges in cases regionally, statewide, nationally, and globally. ACHD has noted that there are increases related to COVID-19 activity from the BA.2 Omicron sub-variant in other areas of the world. In past data trends, the pattern indicating an increase in the case counts in other countries is also seen in the United States. ACHD continues to monitor these case surges.

### STATEWIDE COVID-19 SURVEILLANCE

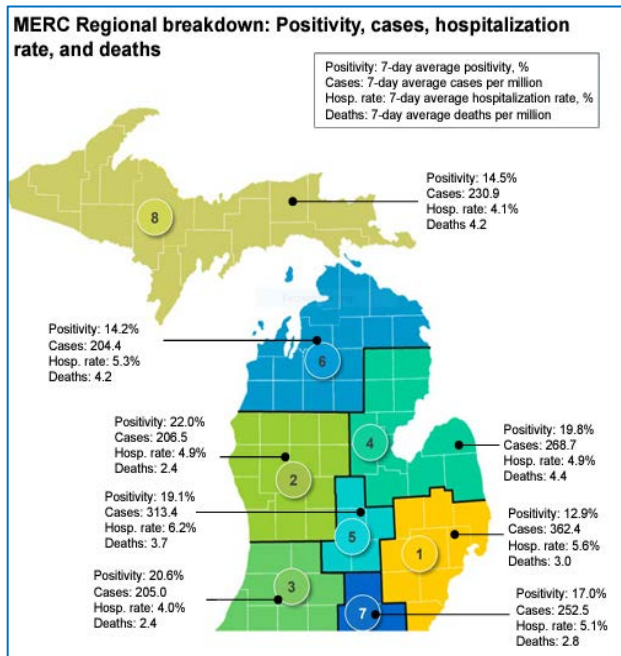
Statewide, as of **June 01, 2022**, [Michigan Coronavirus Data](#) reports a total of **2,547,366 cases** and **36,407 deaths** related to the SARS-CoV-2 infection.

In the May 31 MDHHS' data and modeling [update](#), **17%** of Michigan counties are at **High COVID-19 Community Levels** and **47%** continue to be at **Low Community Levels**, data as of May 26, 2022. Currently, 49% of the residents in Michigan are living in a county categorized as a High COVID-19 community level. Michigan counties that are at Medium COVID-19 community levels are currently at 36% percent, which is a slight increase from 34% during the week of May 16, 2022, and now includes 24% of the population in Michigan.

Case rates are currently seen as plateauing across Michigan. The 7-day **case rates in all age groups are plateauing or decreasing** in both daily confirmed and probable cases per million by age group. Most age groups have seen a decrease in hospitalizations during the week of May 29, 2022. [Data and modeling](#) shows that **trends for daily hospital admissions decreased (-5%) since last week** (versus +7% in the prior week of May 23, 2022.) Data through May 20, 2022 shows that **the 7-day average death rate has plateaued for individuals in the age group over 80 years.**

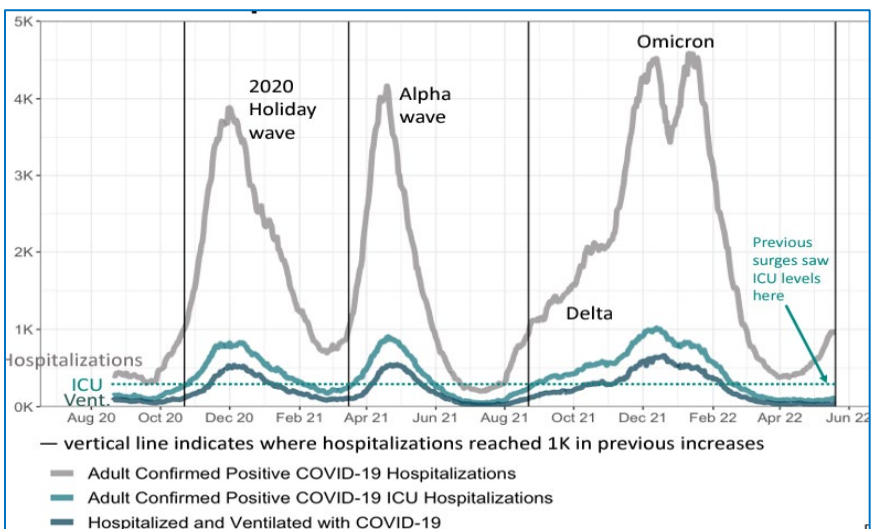


<sup>16</sup> Metrics for hospitalization and death



The adjacent map shows data distribution across the Michigan Economic Recovery Council (MERC) regions as of May 31, 2022. The data indicate that **MERC Region 3**, which includes Allegan County, has a **7-day hospitalization rate of 4%**. The statewide **COVID+ hospital census has decreased 7%** and the **COVID+ ICU census has decreased by 19%** from the prior week of May 23, 2022. The COVID positive hospital census continues to decrease in Preparedness Regions 2N, 2S, 5, 6, 7, and 8, with the exception of an increase noted in Regions 1 and 3.

Statewide, case rates across all age groups are seen to be decreasing during the week of May 23, 2022. Data as of May 20, 2022 indicates that the case rates by onset date for all age groups are now between 186.8 and 391.2 per million persons. Case counts continue to remain highest in the 30 to 39 age groups. Case rates by race or ethnicity data are decreasing for all reported race and ethnic groups. An early sign of plateau or decrease has been noted for Long Term Care Facilities (LTCFs). Case counts in both residents and staff, and the reported number of outbreaks in LTCFs are declining as of May 31, 2022. Furthermore, data shows that the COVID positive hospital admission rates have been decreasing in the 60 to 80 age group.



The adjacent chart is a statewide depiction of trends related to COVID-19 hospitalizations and severe disease burdens.

Based on observations from all prior surges (Alpha and Delta waves), a simultaneous increase was seen in patients hospitalized with COVID-19 versus patients in Intensive Care Unit (ICU) with COVID-19 and patients on ventilators with COVID-19. However, the current surge (Omicron) is indicative of a dissociation in the aforementioned three metrics. Although **the current surge indicates an uptick in patients hospitalized with COVID-19**, there have not been an increase in ICU and ventilators usage related to COVID-19. This

shows that most hospitalized patients are not experiencing severe illnesses related to the SARS-CoV-2 infection. Vaccinations and therapeutics may have played a significant role in the decrease of severe disease burden.

MICHIGAN 7-DAY METRICS/DATA SURVEILLANCE<sup>17</sup> AS OF JUNE 3, 2022

Cases	Percent Positivity	Deaths	New Hospital Admissions	% of Population ≥ 5 Years of Age Fully Vaccinated
19,535	15-19.9%	50	143.86	64.1%

<sup>17</sup> [CDC COVID-19 Data Tracker](#)

Michigan remains in the *recovery phase*<sup>18</sup> due to current case rates and hospitalizations and increased access to mitigation measures. **Administration of COVID-19 vaccinations and booster doses remain a critical component during the recovery phase.** Mask requirements continue to return to some schools and businesses located in counties with High COVID-19 Community Levels.

## NATIONWIDE COVID-19 SURVEILLANCE

Total cases nationwide as of June 3, 2022, is **84,550,392 (up 1,461,022 from May 20, 2022)**. **1,008,063 total deaths (up 6,371 from May 20, 2022)** have been reported as of June 3, 2022; which accounts for more than 15% of total deaths worldwide.

Over the last 14 days, hospitalizations are up 20% in 45 states

### COVID-19 cases nationwide are more than six times higher than this time last year – CDC

Overall, U.S. COVID-19 cases are higher than they were last year, **however, hospitalizations and deaths remain lower than they were around this time in the previous year (2021)**. This indicates greater immunity through vaccination, previous infection and availability of treatments. “Looking at case numbers from May 26, 2021, nationwide, there were just over 23,000 new cases; on May 26 this year, it's more than 124,000 new cases (this does not include at-home tests). According to the CDC, COVID cases nationwide are more than five times higher than last year. The [Johns Hopkins Coronavirus Resource Center](#) showed a 7-day average of **119,725 (85% more cases)** cases as of May 28, 2022. The 7-day average this same time last year was **17,887** cases. For deaths, the 7-day average of **470** was reported on Friday and marked a decrease from **637 (26% decrease)** for the same day last year. Fewer deaths were recorded, however, this also highlights the newer, potentially more fatal variants when compared to proportion change in overall case count.

As of May 31, 2022, signs of plateaus and declines were observed in Region 5 (Midwest) states, which includes Michigan; with Illinois and Michigan having the highest case rates. In the U.S., **8%** of counties are at **High COVID-19 Community Levels**, a 1% decrease from the May 24, 2022 [data modeling updates](#). California, Texas, Florida, New York and Illinois have the highest overall cases in the nation as of June 3, 2022. **Michigan is currently ranked number ten** for COVID-19 case counts. The U.S. has reported the 7-day COVID-19 case average has increased over **18.8%** since the prior week. The case rate as of May 31, 2022, is 231 cases/100,000 for the previous 7 days (last week: 223 cases per/100,000). For reference, Allegan County saw a case rate of 129.6 per 100,000 for this reporting period.

Region 5 States with the Highest COVID-19 Case Rates	Cases Reported in the Last 7 Days†	Deaths Reported in the Last 7 Days†
Illinois	32, 403	47
Michigan	19, 535	50

†Data reported by the [CDC COVID-19 Data Tracker](#) as of June 3, 2022

## GLOBAL COVID-19 SURVEILLANCE

Globally, as of **June 3, 2022**, the World Health Organization (WHO) reports **528,816,317 confirmed cases (up 7,122,101 from May 20, 2022)** and **6,294,969 deaths (up 20,858 from May 20, 2022)** related to the SARS-CoV-2 infection. Global trends related to case rates appear to be declining or plateauing in most European countries following the second Omicron wave.

### Update on Suspected Outbreak in North Korea:

<sup>18</sup> Recovery phase is the post-surge time period in which no immediate resurgence is predicted, and local and state public health will monitor conditions leading to future surges (MDHHS)

On May 11, North Korea declared a nationwide emergency after reporting its first COVID-19 outbreak. Since the pandemic began, North Korea has completely shut its borders in an effort to keep the virus out of the country. The country has limited availability for providing tests to their citizens, and a vast majority remains unvaccinated due to the Nation's refusal for vaccine supply. As of June 2, 2022, various news outlets have reported over 82,000 additional citizens of North Korea as experiencing symptoms of fever, bringing the total to over **3.7 million**. The World Health Organization has offered support to the country but have been unsuccessful. **Of note, there is limited data available for North Korea.**

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#### COVID-19 INFECTION POTENTIALLY A COMMON LINK IN ACUTE PEDIATRIC HEPATITIS

On May 27, 2022, the [World Health Organization](#) reported at least 650 probable cases of acute pediatric hepatitis in 33 countries, more than double the amount since April. More than 200 cases have been detected in the U.S. and Puerto Rico (including Michigan). Worldwide, the children's ages range from 1 month to 16 years old; however, more than 75% of cases are among children under 5 years of age. Approximately 6% of cases required transplant and 1% of cases have died. Symptoms of hepatitis can include jaundice or a yellowing of the skin and/or eyes, dark urine, fever, fatigue, nausea, vomiting and joint pain. Most of the children infected are not eligible for the COVID vaccine, so there is no evidence that it played a role in the spread of this illness.

Adenovirus infection has been seen in about 35% of U.S. pediatric cases. On its own, an adenovirus is relatively harmless, but in the presence of a weakened immune system can cause severe infection. Prior COVID-19 infection may have primed the immune systems of these cases to being more susceptible to the adenovirus, which has a correlation to the hepatitis<sup>19</sup> outbreak. Furthermore, social distancing measures enacted during the COVID-19 pandemic may have reduced the population's ability to build up immunity against adenoviruses. Researchers are looking into several theories as they work to determine the actual source(s) of this outbreak.

The World Health Organization has declared a **moderate** risk level for acute pediatric hepatitis.

The [CDC](#) highlights the following imperative goals as part of the **Global Response to COVID-19 for the years 2020-2023**:

- Reduce transmission of SARS-CoV-2 and impact of COVID-19 globally
- Expand scientific knowledge of SARS-CoV-2 and strengthen global public health leadership
- Improve long-term health security in low and middle income countries

As of June 3, 2022, there are no countries indicated at COVID-19 risk level 4 with special circumstances and/or travel precautions. Johns Hopkins University and Medicine Coronavirus Resource Center (JHU) has reported case surges in Taiwan, Germany and Australia as of June 3, 2022.

COVID-19 Risk Level 3 (High)	Cases Reported in the Last 7 Days*	Deaths Reported in the Last 7 Days*
Taiwan	No data available	No data available
Germany	217,820	32
Australia	230,026	277

\*Data reported by the [World Health Organization Coronavirus Dashboard](#) as of June 3, 2022

COVID-19 Risk Level 3 (High)	Weekly New Hospital Admissions for COVID-19**	Closest Available Date of Data Point**
Taiwan	No data available	No data available
Germany	23	6/2/2022
Australia	No data available	No data available

\*\*Data reported by the [Our World in Data - Coronavirus \(COVID-19\) Hospitalizations](#)

The WHO has included a structured document that summarizes current public health surveillance of COVID-19, which includes key components such as case investigation, surveillance, and epidemiological protocols. These components focus on the "coronavirus

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<sup>19</sup> The most common causes of acute hepatitis are the viral hepatitis infections A and E, less commonly hepatitis B and C



disease 2019 (COVID-19) in humans resulting from the infection caused by the SARS-CoV-2 virus.” For more information, please visit: [WHO: Public Health Surveillance COVID-19: Interim Guidance](#).

## WASTEWATER SURVEILLANCE

### UPDATE: MDHHS Wastewater Surveillance as of May 31, 2022

- 50% (10/20) of Sentinel Wastewater Epidemiology Evaluation Project (SWEEP) sites saw an increase in the most recent week ending on May 31, 2022
- 20% of sites saw a plateau in trends
- 30% (6/20) of sentinel sites are showing declines in the previous 15- days

ACHD has been working with Hope College as they sample wastewater for COVID-19 to determine future directions for its use. There are 20 sewer-shed sites that are reporting

positive and negative test results to MDHHS every week. For more information, please visit [Coronavirus - Sentinel Wastewater Epidemiology Evaluation Project \(SWEEP\) \(michigan.gov\)](#).

Hope College has collaborated with several local health departments to produce a dashboard, which displays the most recent wastewater readings and the case counts for participating counties. A shared wastewater dashboard configuration for sister counties Ottawa and Allegan was created to evaluate wastewater levels for both jurisdictions simultaneously. The colored circles of differing sizes represent the concentration of COVID-19 in the wastewater as of June 2, 2022 (TPA<sup>20</sup>, GLC<sup>21</sup>, TPP<sup>22</sup>), that have existing data points for the most recent nine calendar days (5/24/2022 to 6/2/2022). The red circles represent increasing COVID-19 concentration levels, and the yellow circle represents decreasing concentration levels.

**\*The following three sites have the most current and accurate data readings:**

Allegan Sewershed Sites	Trend Dates	Trend Patterns
TPA	6/2/2022	Decreasing
GLC	6/1/2022	Increasing
TPP	6/1/2022	Increasing



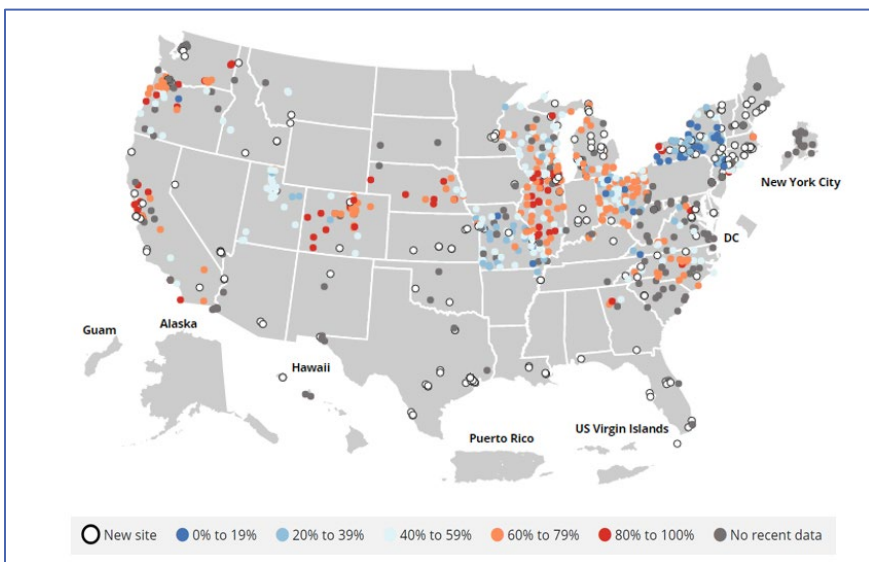
Figure 1 the current wastewater sewer shed sites that Hope College is monitoring in Allegan County.

<sup>20</sup> Allegan Water Resource Recovery Facility

<sup>21</sup> Gun Lake Casino

<sup>22</sup> Plainwell Wastewater Treatment Plant

Data as of June 6, 2022



Wastewater surveillance is rapidly increasing in the U.S.

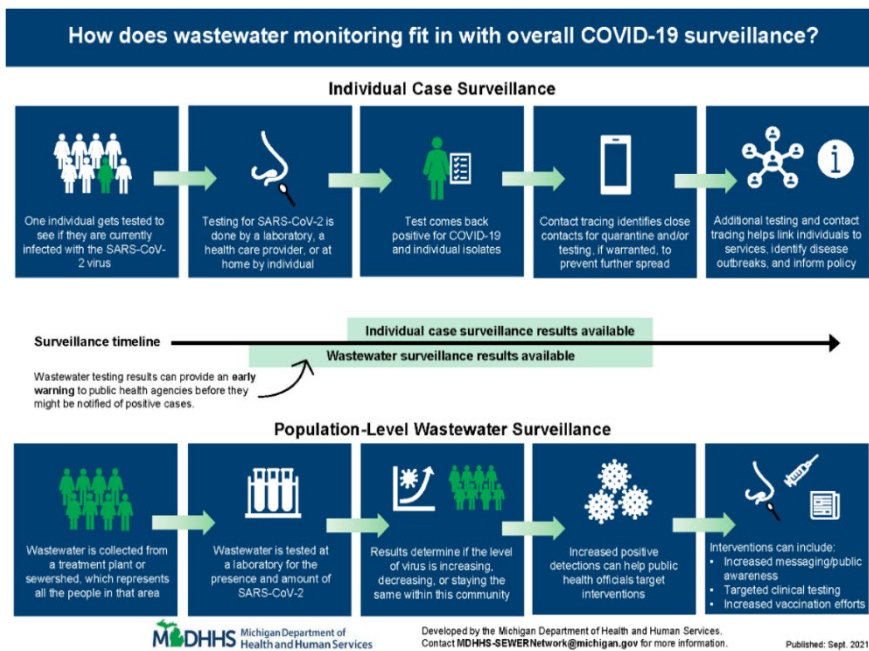
The adjacent map shows 954 wastewater-sampling sites in the US as of June 3, 2022

223 new wastewater-sampling sites were added during the timeframe, May 16, 2022 to May 30, 2022

A modest overall increase in wastewater levels, which may lead to a large percent change, does not necessarily mean we will see major increases in transmission in a community. More than half of sites in the U.S. are seeing "[modest increases](#)" in levels of virus, according to CDC, although the system does not cover the entire country and does not yet have the capacity to offer an ongoing estimate of the true number of cases beyond official counts. Access to at-home tests, comes at the expense of comprehensive data. As a result, we have to infer that there are more cases than are actually reported.

The figure to the right depicts the method of using wastewater surveillance data to monitor case patterns at individual and population levels as it relates to the SARS-CoV-2 infection.

ACHD will continue to monitor available dashboards for future case surges correlating to local wastewater signals. There will be more information regarding this level of data analysis in future updates. MDHHS is working toward including wastewater surveillance for Allegan County in the SWEEP dashboard.



**EPIDEMIOLOGIC SURVEILLANCE: BA.2OMICRON SUB-VARIANT**

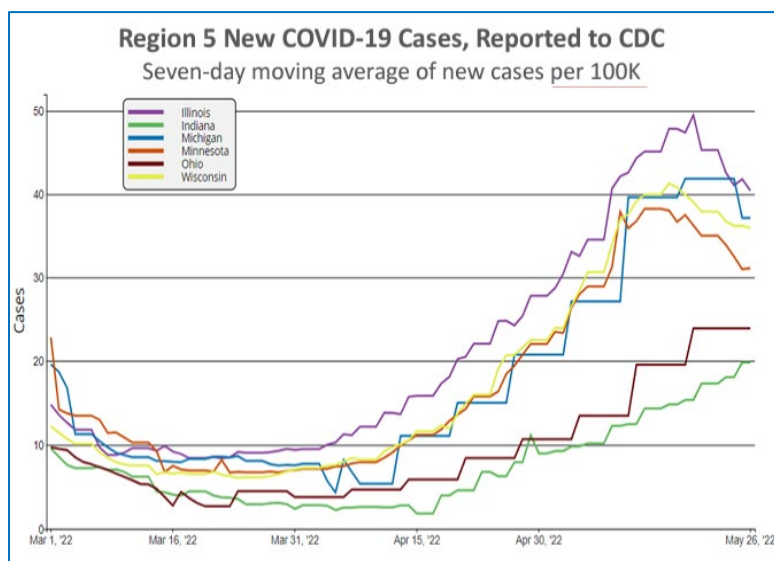
Data as of June 6, 2022



Global trends for BA.2 cases are slowing and many countries in Europe continue to show early signs of decline; cases in the U.S. continue to increase, however, case counts appears to be slowing in Midwestern states (Region 5). Current data continues to show that given the levels of vaccination/boosters and immunity from recent Omicron infection, a significant rise in hospitalization and mortality is not expected to occur.

BA.2.12.1 continues to be the common variant circulating in HHS Region 5, which includes Michigan, Illinois, Indiana, Minnesota, Ohio, Wisconsin. Since April 15, 2022, there have been 1,762 variant of concern (VOC) specimens sequenced in Michigan in which 100% of specimens were sequenced as Omicron.

The adjacent chart shows the current increase in the 7-day moving average of new cases per 100,000 population in Michigan (blue line), and includes data as of May 27, 2022.



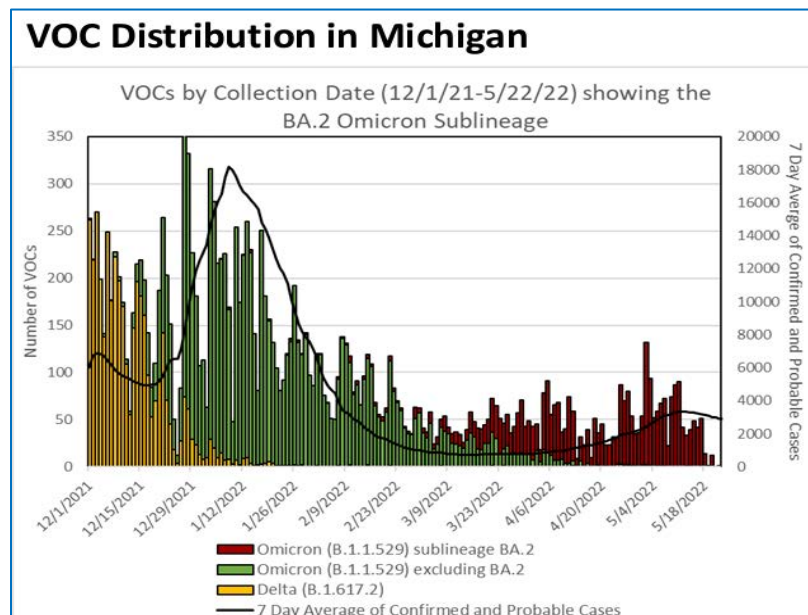
BA.2 is more resistant to some monoclonal treatments than BA.1 and BA.1.1 variants. The following therapies are still encouraged as treatments against the BA.2 variant: Paxlovid, Remdesivir, and Molnupiravir. For more information on these COVID-19 therapies, visit [COVID-19 Therapeutics Information Page](#). As cases of this new variant continue to rise, the same preventive measures are recommended to curb its spread and reduce the virus' opportunities for mutation. ACHD continues to monitor this Omicron sub-lineage and deploy response measures accordingly. For more information, visit: [Nonhospitalized Adults: Therapeutic Management | COVID-19 Treatment Guidelines \(nih.gov\)](#)

#### STUDIES ON EMERGING VARIANT AS OF MAY 31, 2022 DATA AND MODELING

Omicron continues to be the predominant variant of concern (VOC) with several sub-lineages, including BA.4, BA.5, BA.2.12.1, and recombinants of these.

BA.4 and BA.5 are newer sublineages of the Omicron variant, which may spread more rapidly than current Omicron lineages circulating in the United States (U.S) and the United Kingdom (U.K). The data related to the transmission of new Omicron sublineages are still very preliminary; however, note that these variants are currently spreading in other countries such as South Africa (BA.4) and Portugal (BA.5).

**The BA.2.12.1 sublineage is now the most predominant variant in the U.S, however, the proportion of BA.2 is decreasing and noted to be less than 50% for the first time.**



The VOC Distribution in Michigan chart shows the Variant of Concern (VOC) distribution in Michigan as published by the [MDHHS data and modeling](#) on May 31, 2022. The chart depicts that **100% of the specimens sequenced were indicative of the Omicron BA.1.1.529 variant and sub-variant BA.2.**

Data as of June 6, 2022

### Current trends indicate that Michigan will likely reach 800 cases per million population in early June

Figure 1 is based on the estimated  $R_t^{23}$  (shown in purple) in which projections had assumed constant  $R_t$  for the data during the two weeks ranging from May 2 through May 13, 2022, showing continuous increases in cases. The projections for hospitalizations as of May 16, 2022 relayed that Michigan would be seeing up to 50 weekly admissions per 100,000 population by early June.

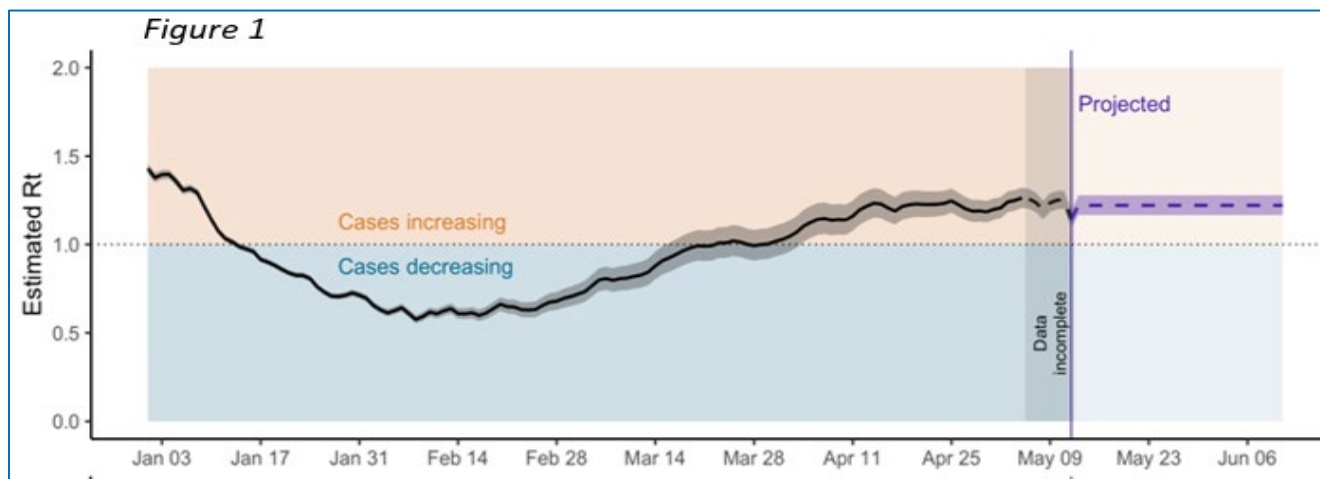


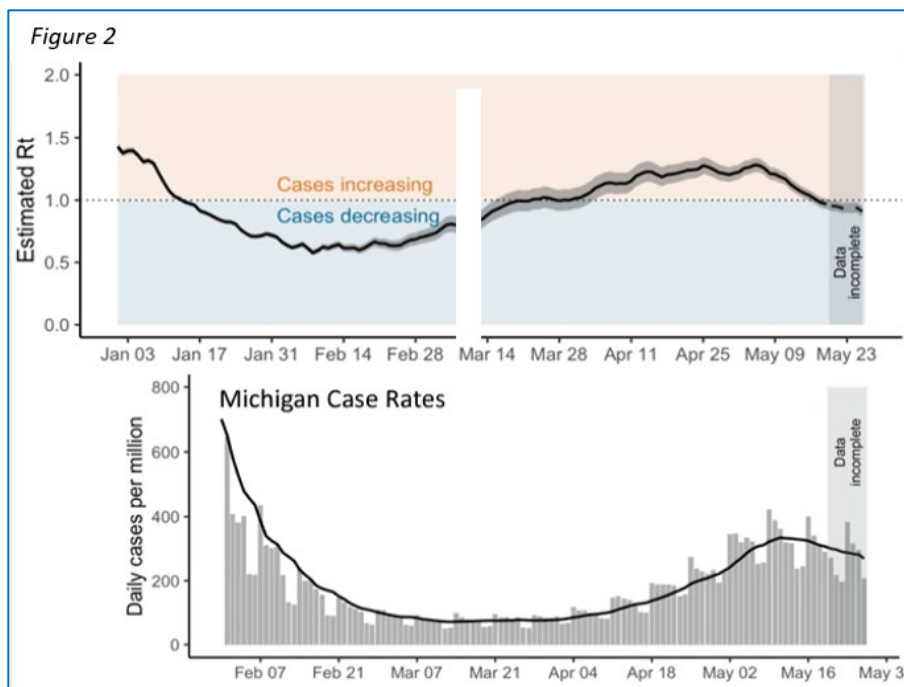
Figure 2 relays an update in the statewide Estimated  $R_t$  based on new data and modeling as of May 31, 2021.

Case rates increase when the  $R_t$  is greater than 1 and decrease when the  $R_t$  is less than 1.

**Michigan  $R_t$  has currently reached 1**, which indicates neither an increase or decrease. This means that case rates in Michigan appear to have plateaued.

Data as of May 27, 2022 via [MIStartMap](#) shows that 39 counties are currently seeing increases and 26 counties are at elevated incidence plateaus.

*Study limitation:* This modeling is subject to change as MDHHS continues to follow Michigan data closely.



## EPIDEMIOLOGIC SURVEILLANCE: MONKEYPOX

Monkeypox is a rare disease caused by an infection with the monkeypox virus, which was initially discovered in 1958. The name 'monkeypox' was derived following two outbreaks of a pox-like disease in colonies of monkeys that were preserved for research

<sup>23</sup>  $R_t$  is a unit of epidemiological unit of measurement to indicate the reproduction number of a virus over a particular time

purposes. The first human case of monkeypox was documented in 1970 in the Democratic Republic of Congo. For more information and key facts about this poxvirus, visit: [World Health Organization: Monkeypox](#) and [CDC | Monkeypox | Poxvirus](#).

The CDC investigated one positive monkeypox case in the U.S. in collaboration with the Massachusetts Department of Health on May 18, 2022. The case was identified as a U.S. resident returning from Canada. Globally, a number of non-endemic countries have reported to the World Health Organization (WHO) of having identified the largest cluster of these cases. Epidemiological investigations are ongoing (internationally) and the route of transmission between individuals identified in these clusters are under further study. For a detailed list of the outbreaks reported in non-endemic countries, visit: [Multi-country monkeypox outbreak in non-endemic countries \(who.int\)](#)

CDC is urging U.S. healthcare providers to be alert for patients associating with rash-illnesses. For information regarding CDC's clinician recommendations, visit: [U.S. Monkeypox 2022: Situation Summary](#).

**MDHHS is actively working with the CDC to establish further action-steps and processes in place for state and local health response to the monkeypox virus.**

As of June 3, 2022, MDHHS has released the following key resources and information related to the monkeypox disease:

- United States: 21 confirmed monkeypox/orthopoxvirus cases in 11 states ([CDC US Map](#))
- Global: 790 confirmed cases in 28 countries ([CDC Global Map](#))
- A summary of the first 17 cases in the US was released by the CDC in the June 3, 2022 Morbidity and Mortality Weekly Report (MMWR) [Monkeypox Outbreak — Nine States, May 2022](#)
  - 14 patients reported international travel involving 11 countries during the 21 days preceding symptom onset
  - 16 patients identified as men who have sex with men (MSM)
  - All patients were adults (average age = 40 years; range = 28–61 years)
  - The symptom onset for 'rash' was reported for the timeframe May 1, 2022 through May 27, 2022
  - 12 patients reported prodromal symptoms before rash onset such as fatigue, fever, or headache.
  - Among 8 patients, the rash started in the genital or perianal area. All but 1 patient developed a disseminated rash, occurring on the arms, trunk, legs, and face.
- On June 2, 2022, the CDC updated the [monkeypox case definitions](#) (suspect, probable, confirmed).
- To access the new CDC Fact Sheet, visit "[Monkeypox: Get the Facts](#)"

The COVID-19 pandemic led the current presidential administration to re-evaluate its biodefense strategies. The new Senior Director for Global Health Security and Biodefense on the United States National Security Council, Raj Panjabi, is in charge of overseeing the current monkeypox outbreak. The outbreak mirrors the difficulties experienced during the COVID-19 pandemic, for instance, challenges with global communication, limited supply of vaccines and overall inequities in healthcare access. This new role may present opportunities for funding additional public health resources and will ensure more coordinated responses to future pandemics.

## SOURCES

- Allegan County Health Department Facebook page
- [Centers for Disease Control and Prevention](#)
- [CDC COVID-19 Data Tracker](#)
- [CDC COVID-19 Travel Guidance](#)
- [CDC Frequently Asked COVID-19 Questions for K-12 Settings and ECE](#)
- [CDC Health Alert Network](#)
- [CDC Health Alert Network – Paxlovid Rebound](#)
- [CDC Provisional COVID-19 Deaths: Focus on Ages 0-18 Years](#)
- [CDC Stay Up-to-date on Vaccinations](#)
- [COVID Data Tracker Weekly Review](#)
- [COVID-19 Vaccine Dashboard](#)
- CHN Associates, Student, and Family Assistance Program Monthly Report
- [Find a COVID-19 Vaccine Near You](#)
- HONU
- [Long Term Care Data](#)
- [MDHHS – Booster Doses available for Children 5-11](#)
- [MDHHS Quarantine and Isolation Guidance](#)
- [MDHHS School Outbreak Reporting](#)
- [MI COVID response Data and Modeling](#)
- [Michigan Coronavirus: COVID-19 Vaccine](#)
- [Michigan COVID-19 Wastewater Testing and SWEEP Dashboard](#)
- [Michigan Coronavirus Data](#)
- Michigan Department of Health and Human Services (MDHHS) Breakthrough Cases Data File
- Michigan Disease Surveillance System (MDSS)
- Michigan Health Alert Network (MIHAN)
- [MI Safe Start Map and CDC Indicators](#)
- [New COVID-19 Cases Worldwide - Johns Hopkins Coronavirus Resource Center \(jhu.edu\)](#)
- [Office of International Health and Biodefense - United States Department of State](#)
- [Our World in Data - Coronavirus \(COVID-19\) Hospitalizations](#)
- [US Food and Drug Administration](#)
- [Vaccinate West Michigan](#)
- [World Health Organization Coronavirus Dashboard](#)

## Allegan County COVID-19 Community Level: LOW

Allegan County Health Department recommends everyone to:



**Stay up to date on your COVID-19 Vaccines**



**Get tested if you have symptoms, before and after traveling, and before gathering with others.**

Actions including social distancing, frequent handwashing, wearing a well-fitted face mask, and isolation/quarantine help lessen the level of transmission. People may choose to mask at any time.

People with symptoms, a positive test, or exposure to someone with COVID-19 should wear a mask.



Learn more about CDC's COVID-19 Community Levels [here](#).

**#DoYourPart**

## Allegan County COVID-19 Community Level: LOW

### Resources available:

#### **Pick-up Free Masks**

- Monday-Friday 8:30am to 4:30pm at the Allegan County Health Department (3255 122nd Ave, Allegan)
- At select local units of government and libraries. Visit [allegancounty.org/health](http://allegancounty.org/health) to view the list of agencies under our COVID-19 Mask Information page.

#### **Get Free at-home Test Kits**

- Order online at:
  - [www.covidtests.gov](http://www.covidtests.gov)
  - [www.accesscovidtests.org](http://www.accesscovidtests.org)
- Pick-up locally at:
  - Allegan District Library (331 Hubbard St, Allegan)
  - Fennville District Library (400 W Main St, Fennville)

#### **Stay up-to-date on COVID-19 Vaccines**

- Find vaccine clinics near you at:
  - [vaccinatewestmi.com](http://vaccinatewestmi.com)
  - [vaccines.gov](http://vaccines.gov)
- Or call ACHD at 269-673-5411 to schedule an appointment

#### **Find COVID-19 Treatments**

- Find information and options near you at [michigan.gov/covid19therapy](http://michigan.gov/covid19therapy)
- View a test to treat location near you at [aspr.hhs.gov/TestToTreat](http://aspr.hhs.gov/TestToTreat)
- Talk to your doctor about treatment options if you test positive for COVID-19.



Follow CDC's isolation and quarantine guidelines and stay home if you develop symptoms or test positive.

**#DoYourPart**



FREE AT-HOME TEST KITS TO ORDER ONLINE:

- [www.Covidtests.gov](http://www.Covidtests.gov) - order 3 sets of 4 free at-home test kits from the federal government. (If you already ordered your first set, order a second or third today)
  - If you have health insurance through an employer or Marketplace, your insurance will pay you back for 8 at-home tests each month for each person on your plan. View more information [here](#).
- [www.AccessCovidtests.org](http://www.AccessCovidtests.org) - order free at-home test kits through Project ACT (enter zip code to check eligibility)

FREE AT-HOME TEST KITS FROM MDHHS AVAILABLE AT 2 LIBRARIES IN ALLEGAN COUNTY:

- Allegan District Library (331 Hubbard St, Allegan)
- Fennville District Library (400 W Main St, Fennville)

FREE COMMUNITY TESTING EVENTS ARE HELD EVERY WEDNESDAY AND FRIDAY AT THE ALLEGAN COUNTY TRANSPORTATION BUILDING FROM 12 PM – 5 PM. THESE EVENTS OFFER PCR AND RAPID TESTING OPTIONS.

VISIT THE [MDHHS COMMUNITY BASED POP-UP TESTING PAGE](#) TO SIGN UP FOR THE TESTING EVENTS AT ALLEGAN TRANSPORTATION BUILDING AND TO FIND OTHER TESTING SITES NEAR YOU.

Visit <https://www.solvehealth.com/covid-testing> to find additional COVID-19 sites near you.

COVID-19 testing location finder: [Coronavirus - Test](#)

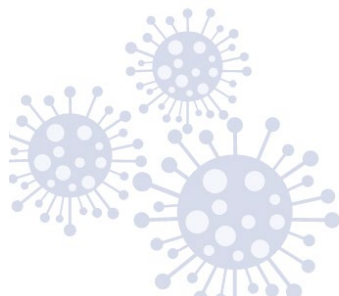


HEALTH  
Department



# COVID-19 BOOSTERS AVAILABLE FOR AGES 5-11

VACCINES ARE AVAILABLE AT ACHD BY APPOINTMENT ONLY. CALL 269-673-5411 TO SCHEDULE AN APPOINTMENT!



TO FIND OTHER VACCINATION LOCATIONS NEAR YOU VISIT:  
[VACCINATEWESTMI.COM](http://VACCINATEWESTMI.COM) &  
[VACCINES.GOV](http://VACCINES.GOV)



## Environmental Health - Benchmark Data Board of Commissioner Report



	January		February		March		April		May		June	July	August	September	October	November	December
Total Applications Received for the Month	135		166		186		202		180								
14 Business Days for the Month are Permits received during	12/23 thru 1/7	1/8 thru 1/23	1/24 thru 2/6	2/7 thru 2/18	2/19 thru 3/13	3/14 thru 3/27	3/28 thru 4/10	4/11 thru 4/24	4/25 thru 5/8								
Incomplete and/or Unpaid Submissions within 14 Business Days	5	5	14	19	18	8	9	26	5								
Total Eligible for Completion within 14 business day window	37	31	62	79	91	62	81	81	65								
Submissions Not Completed within Eligible Time Period	2	0	0	1	0	0	2	2	0								
Total Completed	35	31	62	78	91	62	79	79	65								
Percentage Complete	95%	100%	100%	99%	100%	100%	98%	98%	100%								

Applications completed prior to 14 day turnaround (only those with proper documentation and fees paid): **Total Completed divided by Total Eligible for Completion within 14 business day window = Percentage Complete**

Number	Percentage
65/65	100%

**14 business days from April 25 - May 8**

	January		February		March		April		May		June	July	August	September	October	November	December
Total Applications Received	135		166		186		202		180								
5 Business Days for Communication	1/10 thru 1/23	1/24 thru 2/6	2/7 thru 2/18	2/19 thru 3/6	3/7 thru 3/27	3/28 thru 4/10	4/11 thru 4/24	4/25 thru 5/8	5/9 thru 5/22								
Total Eligible for Communication	36	76	98	73	103	90	107	79	79								
Total Not Communicated to within 5 Business Days	1	0	2	0	0	0	0	0	1								
Total Communicated to within 5 Business Days	35	76	96	73	103	90	107	79	78								
Percentage Complete	97%	100%	98%	100%	100%	100%	100%	100%	99%								

Customers that have been contacted within 5 business days: **Total Communicated to within 5 Business Days divided by Total Eligible for Communication**

Number	Percentage
78/79	99%

**5 business days from May 9 - May 22**

# Environmental Health - Total Services

## Board of Commissioner Monthly Report



### APPLICATIONS RECEIVED

	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well	40	45	52	54	37								228
Septic	32	56	53	68	46								255
Loan Eval.	7	13	7	17	11								55
MDHHS Eval.	5	7	3	6	5								26
SESC	36	26	47	46	57								212
Raw Land/Soil Eval.	15	19	21	8	21								84
Investigative Fieldwork	0	0	3	3	3								9
<b>Monthly Totals</b>	<b>135</b>	<b>166</b>	<b>186</b>	<b>202</b>	<b>180</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>869</b>

### SERVICES PROVIDED

PERMITS ISSUED	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well	37	37	52	46	34								206
Septic	36	40	63	45	51								235
Loan Eval.	3	13	11	5	7								39
MDHHS	5	7	5	2	7								26
SESC	31	38	35	40	40								184
Raw Land/ Soil Eval.	11	17	13	8	13								62
<b>Monthly Totals</b>	<b>123</b>	<b>152</b>	<b>179</b>	<b>146</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>752</b>

Other Services Completed	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well Finals	87	85	29	40	18								259
Septic Finals	21	14	29	34	37								135
SESC Inspections	10	14	14	173	267								478
Investigative Fieldwork	0	0	3	3	3								9
<b>Monthly Totals</b>	<b>118</b>	<b>113</b>	<b>75</b>	<b>250</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>881</b>

<b>Total Services Provided</b>	<b>241</b>	<b>265</b>	<b>254</b>	<b>396</b>	<b>477</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3266</b>
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June 23, 2022

**Board of Commissioners Update  
Administrator's Report**

**ENGAGEMENT**

**Employment**

2022 as of Q1 2022:

<b>TURNOVER/RETENTION (Regular FT &amp; PT Only)</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
# of Terminations (includes Retirees)	16*			
Average length of tenure of terminated REG employees	16.48			
Turnover % of new REG employees (<=1 year)	19.00%	Calculation to be updated Q2		
Turnover % of REG employees	4.10%			
Total average number of REG Employees	393			
Notes	*9 of the terminations were retirements			
<b>RECRUITMENT</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Jobs Posted	10			
# of Days to Hire (KPI)	53.6			
# of New Hires	25			
# of Promotions or Transfers	15			

Current Number of Active Regular Full-Time and Regular Part-Time Employees: 402

*New Hires: 2*

<b>Last Name</b>	<b>First Name</b>	<b>Position</b>	<b>Department</b>
Cartwright	Rachel	Deputy Register of Deeds	Register of Deeds
Edney	Breanna	Corrections Officer	Sheriff's Office – Corrections

*Left Employment: 1*

<b>Last Name</b>	<b>First Name</b>	<b>Position</b>	<b>Department</b>
Ciolk	Kelly	Telecommunicator	Central Dispatch

*Promotions/Transfers: 3*

Last Name	First Name	New Position	Department
Robinson	Mary	Youth Specialist Supervisor	Youth Home
Suszek	Nathan	Corrections Lieutenant	Sheriff's Office - Corrections
Wright	Nicole	Administrative Assistant III	Sheriff's Office – Corrections

Current Open Positions: 19

Position	Department	Current Status
Administrative Assistant	Sheriff's Office	Unfilled
Chief Assistant Public Defender	Public Defender	Unfilled
Corrections Sergeant	Sheriff's Office – Corrections	Unfilled
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Corrections Officer	Sheriff's Office – Corrections	Unfilled
Deputy Circuit Court Clerk (PT25)	County Clerk	Will remain unfilled until 2023
Deputy District Court Clerk	District Court	Unfilled
Deputy Drain Commissioner – Engineer	Drain Office	Unfilled
Deputy Sheriff	Sheriff's Office	Candidate Identified – currently attending Academy
Drain Maintenance Technician	Drain Office	Unfilled
IRPT Janitor	Facilities	Unfilled
Irregular Victim Advocate Specialist	Prosecuting Attorney	Unfilled
Program Coordinator	Transportation	Unfilled
Telecommunicator	Central Dispatch	Unfilled
Telecommunicator	Central Dispatch	Unfilled
Transportation Director	Transportation	Candidate identified – start date 6/21/2022
Youth Specialist	Youth Home	Unfilled
Youth Specialist (PT32)	Youth Home	Unfilled

For more information regarding this matter, please contact Lyn Holoway, Human Resources Manager at 269-673-0537 or [lholloway@allegancounty.org](mailto:lholloway@allegancounty.org).

**Human Resources (HR) “On the Road” – Restarting July 2022** – In July, 2018, HR “On the Road” was implemented whereby HR team members were present in each County Building on a monthly basis to answer questions and provide educational information to staff. This practice was stopped during the COVID pandemic. HR “One the Road” will return in July; schedule is shown to the right:

For more information regarding this matter, please contact Lyn Holoway, Human Resources Manager at 269-673-0537 or [lholloway@allegancounty.org](mailto:lholloway@allegancounty.org).

### HR on the Road

Semi-monthly – in person

January, March, May, July, September

Building	Schedule	Location
Central Dispatch	2 <sup>nd</sup> MONDAY 4:15 – 4:45 p.m.	Supervisor's Office
Human Services Building	2 <sup>nd</sup> THURSDAY 9 – 10:30 a.m.	Health-Breakout-North
Courthouse	2 <sup>nd</sup> THURSDAY 12:00p-1:00p & 3 <sup>rd</sup> FRIDAY 2:00 – 3:00p.m.	Conference Room #6
Sheriff's Office	3 <sup>rd</sup> THURSDAY 2:00 – 3:00p.m. & 4 <sup>th</sup> THURSDAY 2:00 – 3:00p.m.	Jail Conference Room

## OPERATIONS

**Courthouse Roof Replacement** (Last updated on October 28, 2021) – Section 1 of the Courthouse roof has been replaced and this project has concluded. As a 2021 capital project, replacement was significantly delayed due to supply chain issues with some of the materials as well as challenges with the contractor scheduling the work to be completed. Section 1 was prioritized to address water leaking issues that had been discovered in the Prosecuting Attorney's office. To date, sections 1, 2, and 4 have all been completed. Section 3 has been submitted as a 2023 capital project for consideration through the budget process. For more information, please contact Carl Chapman, Facilities Management Director at 269-673-0207 or [cchapman@allegancounty.org](mailto:cchapman@allegancounty.org).



**Mental Health (OnPoint) Technology Support & Consulting** (Last updated on April 14, 2022) – Construction of the new Mental Health (OnPoint) building is progressing well and moving ahead very quickly. At this point, construction is on track to be completed by the end of the year with the OnPoint staff moving-in sometime during the first quarter of 2023. The County continues to assist OnPoint with this project, particularly in the areas of technology and facilities related planning. For more information, please contact Steve Sedore, Executive Director of Operations at 269-673-0373 or [ssedore@allegancounty.org](mailto:ssedore@allegancounty.org).

## FINANCIAL STABILITY

**Mid-Year Change to Mileage Reimbursement Rate** – On June 9, the Internal Revenue Service (IRS) announced that, as of July 1, the mileage reimbursement rate will increase to \$0.625/mile (expressed in cents: “62 ½ cents per mile). This is a four cent per mile increase from the rate that is in effect through June 30, 2022. Because the County’s Budget Policy states that the County rate shall equal the IRS rate, the Travel Reimbursement Form was updated. Both the current form, (\$0.585/mile or \$0.351/mile for the use of a personal vehicle when a County vehicle was available), and the new form (\$0.625/mile or \$0.375/mile for the use of a personal vehicle when a County vehicle is available) may be found on the County’s intranet site, at <https://allegancountygov.sharepoint.com/sites/finance>. The date of the travel, not the date of the reimbursement request, determines which mileage rate is in effect. County personnel is reminded that mileage reimbursement requests should be submitted as soon as reasonably possible. For more information, please contact Kriss Kraker, Finance Manager at 269-673-0536 or [kkraker@allegancounty.org](mailto:kkraker@allegancounty.org).

**New Jury Management System Software** – Representatives from Circuit Court, County Clerk, and Finance met recently, to discuss new procedures and responsibilities that may occur when the new Jury Management System software is operational. The discussion focused on the appropriate division of duties, preservation of mandated processes, such as the Jury Board, and operational budget impacts. For further information, please contact Executive Director of Finance Lorna Nenciarini at 269-673-0228 or [lnenciarni@allegancounty.org](mailto:lnenciarni@allegancounty.org).

## SERVICES

**COVID-19 Update** (Last reported on 5/26/22) – In an effort to keep the Board more directly informed on the continuing pandemic, a special BOC report has been developed by Public Health (Attachment A). While the data is already shared and accessible through several venues, this report will make it easier for commissioners to have direct, focused access to the information. The report is planned to be bi-weekly and a regular part of the Administrative updates. To provide feedback on the report design/concept or for more information, please contact Angelique Joynes, Health Officer at [ajoynes@allegancounty.org](mailto:ajoynes@allegancounty.org).

**Brownfield, Environmental Protection Agency (EPA) Grant** – On October 14, 2021, the Board of Commissioners approved the request from the County’s Brownfield Redevelopment Authority, to apply

for and accept when awarded, the Brownfields Community-Wide Assessment grant offered through the EPA in FY2021, in the amount of up to \$500,000 to assess sites with contamination by hazardous substance and/or petroleum; unfortunately this grant was not awarded to Allegan County. The EPA received 438 applications for consideration and had funds to award 237 grants from the highest-ranking applications.

- The City of Douglas, Allegan County, applied and will receive a \$500,000 grant to clean up the property located at 200 Blue Star Highway. The 7.18-acre parcel was a former fallow orchard converted in the 1940s into two utility buildings and a 150,300-square-foot industrial building with truck bays. The property has been used for planting, buffing, zinc die casting, metal forming, stamping, phosphatizing, painting metal parts, and furniture manufacturing and is contaminated with PCBs, chlorinated volatile organic hydrocarbons, and inorganic contaminants. Grant funds also will be used to develop a community involvement plan and conduct community engagement activities.

The Brownfield Redevelopment Authority will review current grant opportunities and consider reapplying in the FY23 grant competition cycle should funding become available. For additional information contact Dan Wedge, Executive Director of Services at 269-686-5235 or [dwedge@allegancounty.org](mailto:dwedge@allegancounty.org).

**Off Road Vehicle Ordinance** – Please be advised that the Road Commission Board has approved some township requested changes to various roads in Allegan County that are closed to ORV use. All roads in Ganges, Lee, Cheshire and Trowbridge Townships under the jurisdiction of the Allegan County Road Commission are now open to ORV use in accordance with the Allegan County ordinance. Some other revisions have been made in various other townships. The list of roads closed to ORV use is updated on the Road Commission website: <http://www.alleganroads.org>.

The Road Commission Board would like to restrict the review of requested changes to one time per year. If there are future requests from townships to make changes to the roads restricted to ORV use, please direct those requests to Craig Atwood, Road Managing Director at 269-673-2184 or [catwood@alleganroads.org](mailto:catwood@alleganroads.org). The anticipated review time is early spring each year.

**National Community Survey** – On June 9, 2022, the Board of Commissioners approved the final draft of the National Community Survey for release. The Survey offered by mail began Monday, June 13, 2022. The information gathered will be used for future planning and how to best allocate resources. The survey is distributed to two groups:

1. Representative Sample – The first group will receive the survey in the mail over the next 30 days which began on June 13. This mailed survey is to a set group of random households distributed equally throughout the county and considered a Representative Sample.
2. Open Sample – The second group will have access after the first group and will be open to everyone online. Once available (approximately July 18), it will be accessible to everyone online through a link on the County website. To register in advance for notification, click here: <https://polco.us/n/res/profile/allegan-county-mi>.

After all results are received, Polco compares the County's results of the common core questions to other communities with similar characteristics; these are the benchmarked results. Polco will develop a full report on the results. This report will be placed on this website once it is completed at the end of August. See attachment B for the survey timeline. For more information, please contact Dan Wedge, Executive Director of Services at 269-686-5235 or [dwedge@allegancounty.org](mailto:dwedge@allegancounty.org).

**Senior Services Event** – Boomer Bash 2022 was held Thursday, June 2, 2022, at the First Baptist Church of Allegan. This was the first event since 2019, and it was a drive through event to ensure that older adult could receive important information on community resources. There were 34 vendors and 28 seniors seen. While this event was much smaller than in previous years, the participants had the opportunity to spend some time with each vendor and ask questions. The Commission on Aging was the official host of the event, and the entire body was on hand to meet and provide information on millage services. For



more information, please contact Sherry Owens, Director at 269-686-5144 or [SOwens@allegancounty.org](mailto:SOwens@allegancounty.org).

**Senior Services Financial Reports** – The Commission on Aging (COA) met on Wednesday, June 15, 2022, for the regularly scheduled monthly meeting to view the financial reports; please see Attachment C. When reviewing the last report with the Board of Commissioners during its millage renewal discussion, County Administration received feedback on potential reporting improvements. These improvements were shared with the service area and a different version is currently in development in concert with the COA. For more information, please contact Sherry Owens, Director at 269-686-5144 or [SOwens@allegancounty.org](mailto:SOwens@allegancounty.org).

**Highly Pathogenic Avian Influenza (HPAI)** (Last updated on 5/26/22) – The Michigan Department of Agriculture and Rural Development (MDARD) lifted the poultry exhibition stop order on 6/13/22 as Michigan has gone 30 days without a domestic HPAI confirmation. To read MDARD's press release on this topic click the link below: [MDARD Director Lifts the Stop on Poultry and Waterfowl Exhibitions](#) and MDARD's [Frequently Asked Questions](#). As of June 14, there have been **one** affected commercial flocks, **12** affected backyard flocks, and **81** wild bird detections in Michigan. For more information, contact Planning and Preparedness Manager, Lindsay Maunz at 269-686-4515.

**COVID-19 Response After-Action/Improvement Plan** (Last updated on 5/26/22) – The Allegan County Health Department (ACHD) has chosen three Public Health Preparedness and Response Capabilities to improve upon over the next three years – Information Sharing (Capability 6), Emergency Operations Coordination (Capability 3), and Public Health Surveillance and Epidemiological Investigation (Capability 13). Corrective action steps and timelines for each of these areas have been outlined in Attachment D. For more information, contact Planning and Preparedness Manager, Lindsay Maunz at 269-686-4515.

**COVID-19 Response After-Action Survey Report** (Last updated on 5/26/22) – Responses from the Allegan County After-Action Survey (April 2022) have been compiled and a report has been finalized; Attachment E. Individuals can also access the report at <https://www.allegancounty.org/health/data-and-reports> after the 6/23/22 Board of Commissioners Meeting. For more information, contact Planning and Preparedness Manager, Lindsay Maunz at 269-686-4515.

**Community Outreach** – In an effort to deliver accessible public health services and engage residents where they are, Allegan County Health Department (ACHD) has committed to attending at least 4 outreach events this year.

- On June 4, 2022, ACHD attended the Douglas Pride event, where six individuals received rapid HIV testing and education related to risk reduction, one Hepatitis A and one Hepatitis B vaccine were provided, as well as, 18 COVID-19 vaccines. Information related to ACHD services and other health education resources was also distributed.
- On June 11, 2022, the ACHD team attended Bridgefest in Allegan providing COVID-19 vaccine to six individuals as well as Health Department information and education.
- On Saturday, June 18, 2022, the ACHD team attended Camp-It from 12-4 pm to provide STI testing, education related to risk reduction and prevention, and information on services.

For more information regarding Clinical Service Outreach (STI testing, HIV Testing, Immunizations), please contact Lisa Letts, Personal Health Services Manager at 269-686-4535. For more information regarding Health Education Outreach, please contact Lindsay Maunz, Planning and Preparedness Manager at 269-686-4515.

**Environmental Health Field Team Service Delivery Update** – Currently, 99% of the eligible applications, received through May 20, were issued within the timeframe (5/9/2022 – 5/20/2022), the 14 business day benchmark, attachment F. 100% of all customers (5/23/2022 – 6/5/2022) were contacted within 5 business days of submitting their application. If you have any questions please contact Environmental Health Director Randy Rapp at 269-686-4506.

**Environmental Health Food Team Service Delivery Update** – Renewal licenses for Fixed Food Establishments (FFE) and Special Transitory Food Units (STFU), for the 2022/2023 licensing year, were mailed on March 8, 2022. Total licenses renewed, for 2022/2023 licensing period, are 443. This year, there were 38 licenses that were deleted or closed. Of the 38 deleted or closed licenses, 9 of them were changes of ownership as the reason given for the license not being renewed. If you have any questions please contact Environmental Health Director Randy Rapp at 269-686-4506.

**Water Study Workgroup** – The Water Study Workgroup (workgroup) met on June 1, and 15, 2022. Minutes for both meetings can be found online however, are attached for convenience (Attachment G). The next meeting is scheduled for June 29, 2022. If you have any questions please contact Environmental Health Director Randy Rapp at 269-686-4506.

**Broadband Action Workgroup** –The Broadband Action Workgroup (workgroup) met on June 16, 2022. Broadband minutes can be found attached to the calendar event online. Connect Michigan began working in Allegan County documenting the existing cable infrastructure in early June. The Connect MI data will determine which residences have cable/fiber based broadband internet service for our RFP. The RFP draft language is 80% complete. To date, we have received around 1,500 Broadband Survey responses (see attached survey analysis; Attachment H). The survey will continue to be available through October.

The next meeting is scheduled for July 7, 2022. If you have any questions please contact Project Manager Jill Dunham at 269-673-0588.



# COVID-19 AND OTHER EMERGING PUBLIC HEALTH TOPICS

## BOARD OF COMMISSIONER UPDATE

JUNE 21, 2022

Data as of June 21, 2022

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**EXECUTIVE SUMMARY**

The following report contains COVID-19 related data from June 3, 2022, to June 21, 2022, on the 5 mitigation components Allegan County Health Department (ACHD) previously identified. Allegan County is currently in a low COVID-19 community level, and the Test Positivity Rate for Allegan County has been trending downward since the last reporting period, and cases have decreased as well since the last report. ACHD continues to monitor local, statewide, and global COVID-19 data, and continues to follow Michigan Department of Health and Human Services (MDHHS) and the Centers for Disease Control and Prevention (CDC) recommendations.

This report contains information on the availability of COVID-19 vaccinations for children under the age of 5, resources on mitigation tools community members can use during this period of low community level, and an overview of epidemiological surveillance of COVID-19 in Allegan County.

This report also contains epidemiological surveillance and health education on other ongoing and emerging public health topics including: monkeypox, avian influenza, heat related illness, adenovirus and acute hepatitis, vector-borne diseases, and foodborne illness, and formula feeding safety.

An overview of COVID-19 data in Allegan County from 6/3/22 to 6/16/22 can be found in the graphic below:



Cases, Hospitalizations, and deaths have all decreased since the previous two-week reporting period. The percentage next to the arrows indicates the percent decrease.

\*The number of new outbreaks reported for all facility types decreased since the previous two-week reporting period, from 4 to 1.



FACILITY TYPE	NUMBER OF NEW OUTBREAKS	NUMBER OF NEW CLUSTERS	NUMBER OF ONGOING OUTBREAKS	NUMBER OF ONGOING CLUSTERS
SCHOOL	0	0	0	1
BUSINESS	0	0	0	0
LONG TERM CARE FACILITY	1	0	5	0
CORRECTIONAL FACILITY	0	0	0	0

**COVID-19 MITIGATION COMPONENTS**



Data as of June 21, 2022

Allegan County currently is at a low community transmission level for COVID-19. **ACHD continues to recommend the following:**

- Staying up-to-date on your COVID-19 vaccines
- Getting tested if you have symptoms, before and after traveling, and before gathering with others.

**Allegan County COVID-19 Community Level: Low**

Allegan County Health Department recommends everyone to:

Stay up to date on your COVID-19 Vaccines

Get tested if you have symptoms

Actions including social distancing, frequent handwashing, wearing a well-fitted face mask, and isolation/quarantine help lessen the level of transmission

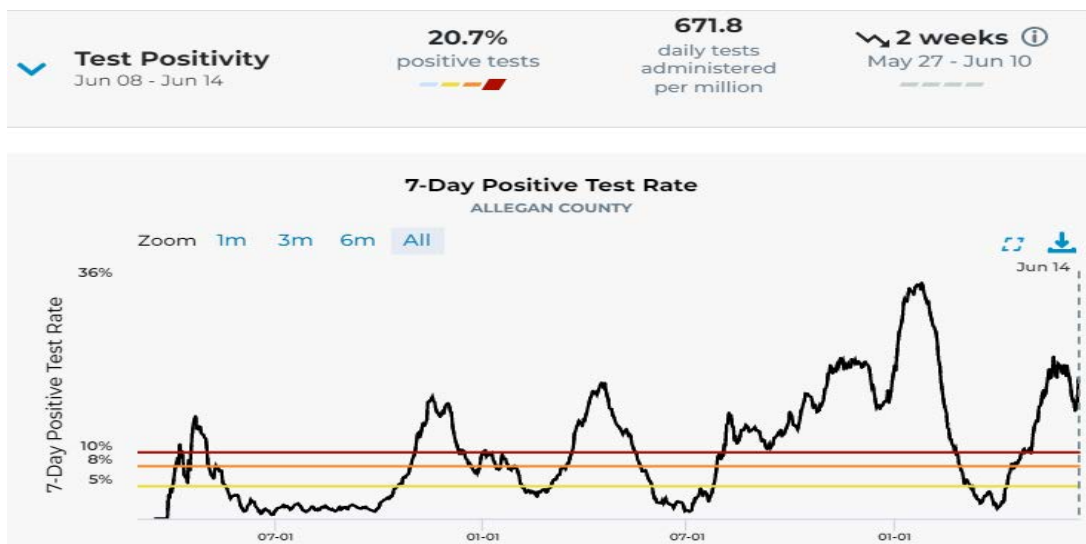
Learn more about CDC's COVID-19 Community Levels [here](#).

#DoYourPart

COVID-19 Community Levels are a tool to help communities decide what prevention steps to take based on the latest data. These Community Levels can be low, medium, or high and **are determined by looking at hospital beds being used, hospital admissions, and the total number of new COVID-19 cases in an area.** Find more about COVID-19 Community levels [here](#).

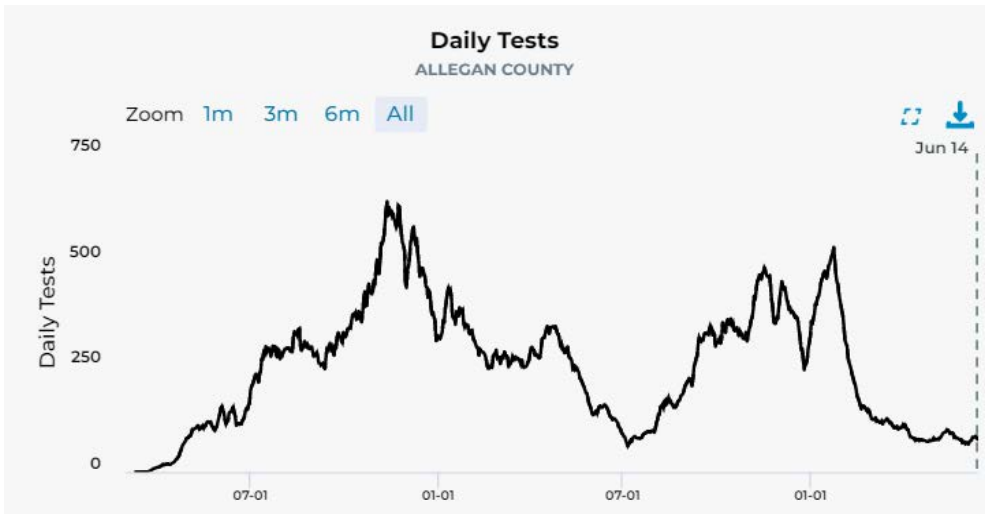
**ENHANCED ABILITY TO TEST**

**COUNTY-LEVEL DATA AS OF JUNE 14, 2022**



The Test Positivity Rate for Allegan County has been trending **downward** since the last report. **The 7-day positivity rate for Allegan County as of June 14 is 20.7% with 671.8 daily tests administered per million. This indicates a 2.4% decrease in the 7-day positivity compared to the 5/25/2022 to 5/31/2022 reporting period, which had 622.2 daily tests administered per million.**

**TEST AVAILABILITY**



Demand for testing has remained low since the Omicron surge. Daily tests administered in Allegan County have also remained low. Currently, there are multiple options in Allegan County where residents can obtain at-home testing kits or get tested for COVID-19. At this time, at-home tests are not reported in the Michigan Disease Surveillance System (MDSS) and therefore, are not included in the test positivity rates or case counts.

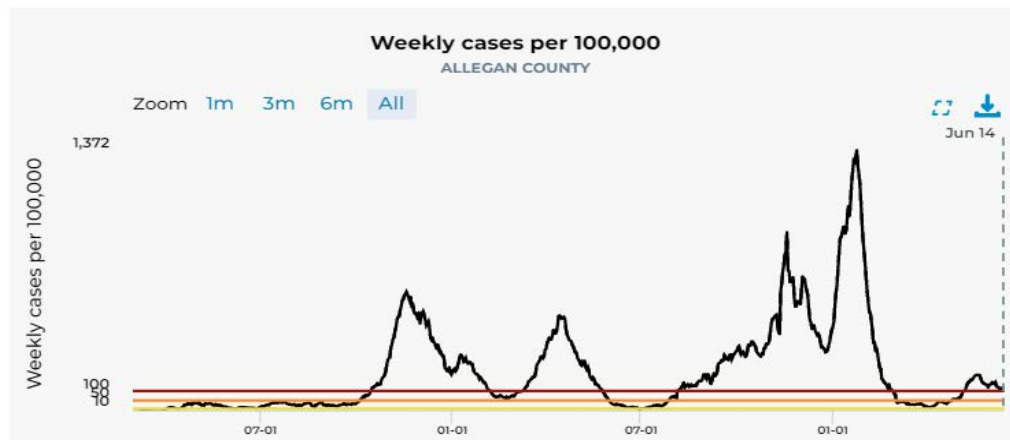
*See Appendix below for a list of testing resources available to community members.*

## ROBUST CASE INVESTIGATION AND CONTACT TRACING

### ALLEGAN COUNTY COVID-19 COMMUNITY LEVEL: LOW



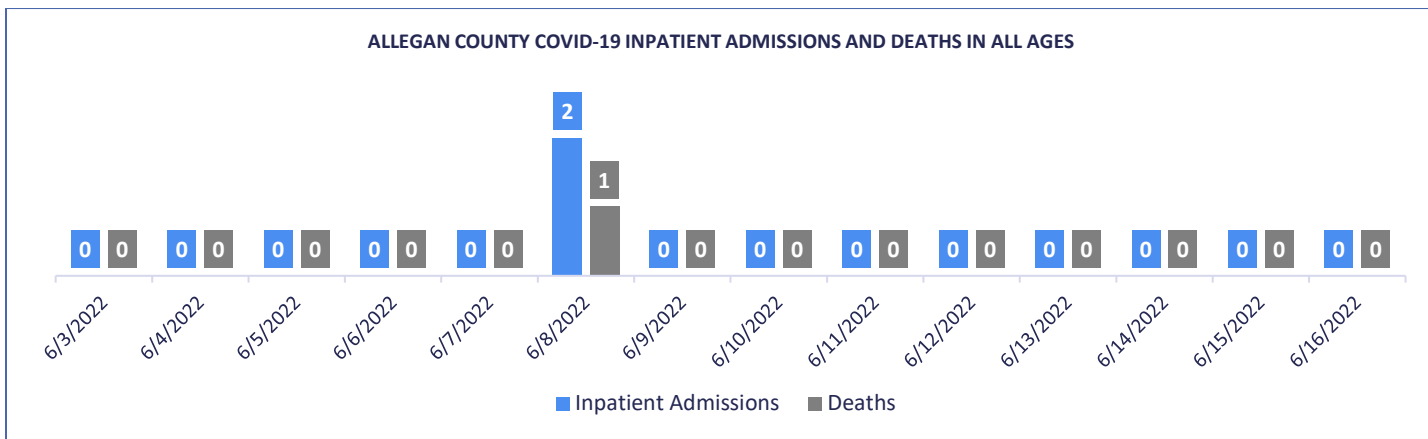
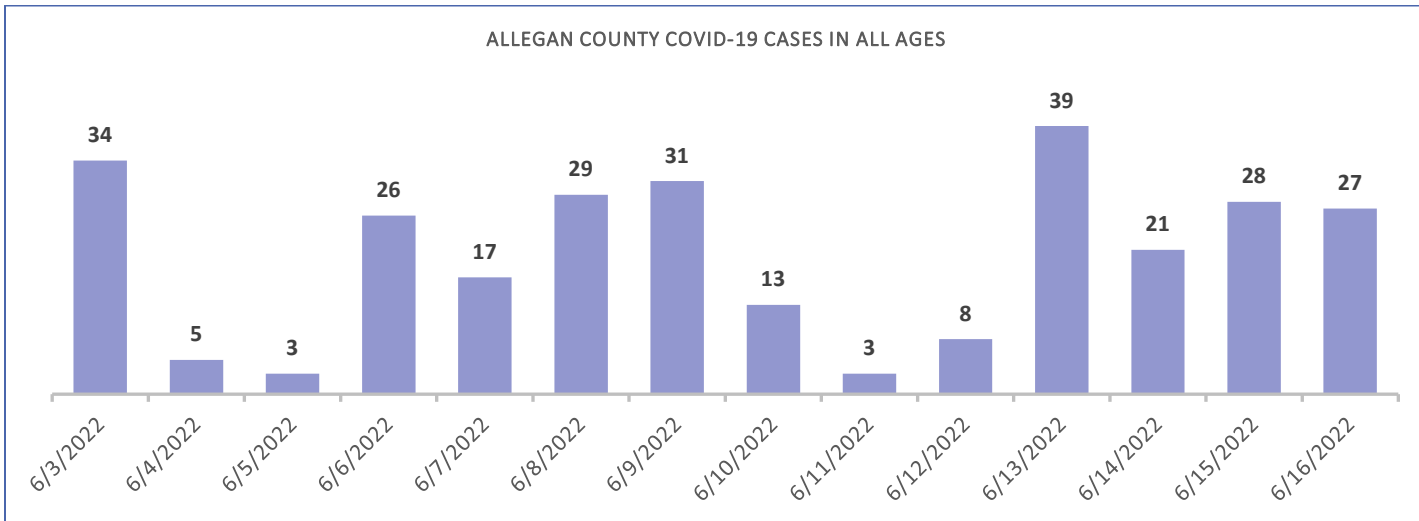
As of 6/14/2022, Allegan County remained at a low COVID-19 community level based on the CDC framework. **Models showed a moderate decrease in cases compared to the 5/25/2022 to 5/31/2022 reporting period. During the period 6/8/2022 to 6/14/2022, Allegan County's new weekly case rate was 119.4 per 100,000 population with 141 weekly cases.**



**Weekly cases decreased by more than 9% since the 5/25/2022 to 5/31/2022 reporting period (129.6 per 100,000 and 153 weekly cases).**

### OVERVIEW OF COVID-19 CASES AND DEATHS IN THE LAST TWO WEEKS (6/3/2022 to 6/16/22)





DURING 6/3/2022 TO 6/16/2022:

- **284 total cases** were reported via the Michigan Disease Surveillance System (MDSS) for Allegan County
  - o 222 confirmed cases and 62 probable cases related to SARS-CoV2 infection as reported
- 19.7% of the cases were reported in the 30 to 39 age group, which had the highest number of cases during this timeframe
- **Two hospitalizations** related to SARS-CoV-2 infection that were reported for Allegan County
- **One death** related to SARS-CoV-2 infection that were reported for Allegan County
- Both hospitalizations and deaths associated with COVID-19 during this timeframe were reported in individuals who were 80+ years of age
- 10.9% of the cases were reported to be related to international, domestic, and/or in-state travel
- From 6/2/2022 to 6/15/2022 Allegan County had a reported<sup>1</sup> **positivity rate** of 19.04%, which is **down** from 21.7% that was reported for the previous 14-day time period of 5/19/2022 to 6/1/2022
- Cases, hospitalizations, and deaths related to SARS-CoV-2 infection have decreased for Allegan County since June 5, 2022. This is synonymous with the current statewide patterns for COVID-19 metrics

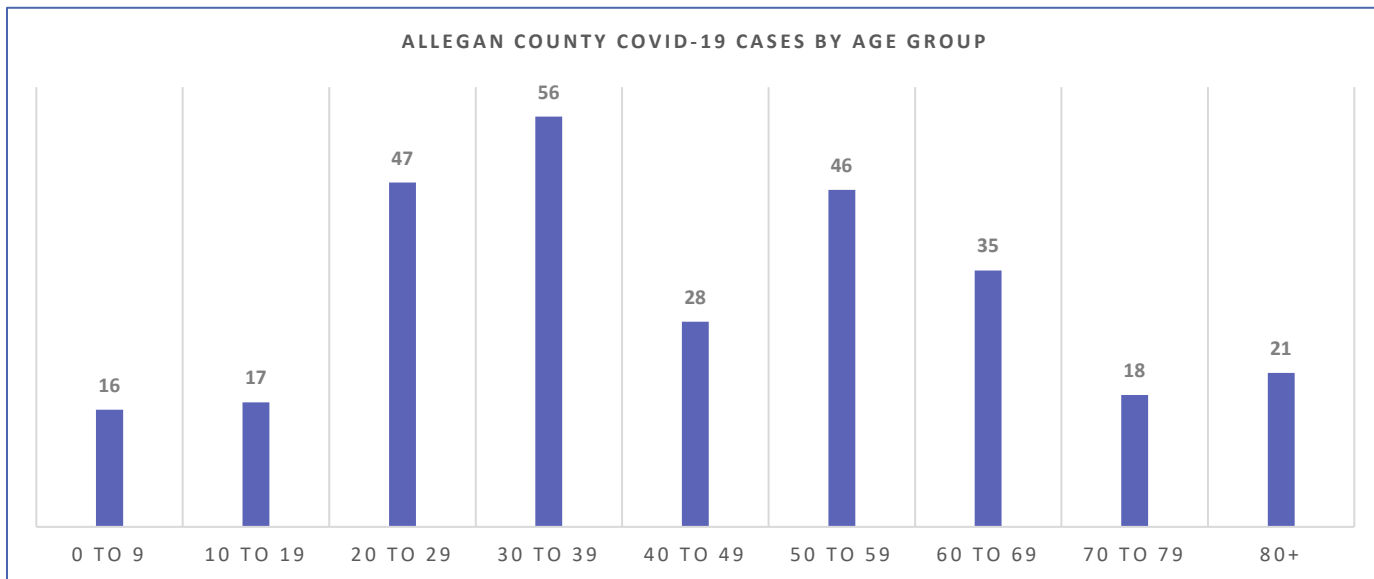
ACHD continues to monitor the COVID-19 metrics for hospitalizations and deaths as this can show the risk of a medically significant COVID-19 variant or healthcare system strain.

<sup>1</sup> As reported in the MI-HAN Regional Data File; Positivity Rate is calculated for percent positive persons for day and county, from 06/02/2022 to 06/15//2022

CASE INVESTIGATION<sup>2</sup>

ACHD is currently working to investigate all communicable disease cases. Prioritized groups for case investigation, when applicable, include individuals over the age of 65, school-aged individuals, and individuals that live or work in congregate care settings. During the case investigation process, ACHD works to ensure all basic needs are being met for individuals and their families. All cases receive a Patient Education Genius (PEG) notification that is provided via email or text messages for a case investigation form.

CASES IN THE LAST TWO WEEKS, BY AGE GROUP (6/3/2022 TO 6/16/2022)



From 5/20/2022 to 6/2/2022, 3.5% of cases were reported as asymptomatic in the Michigan Disease Surveillance System (MDSS). As displayed in the chart above, the school-age population continues to stay at a slower surge compared to other age groups, which is similar with the current statewide pattern of case rates. Overall, cases in all age groups are plateauing across Michigan.

- 17.6% of investigated cases were **household close contacts**<sup>3</sup>
- 2.5% of cases were reported as **community contacts**<sup>4</sup>
- 7% of cases were close contacts to those who work or live in a **high-risk/congregate facility** in Allegan County.

**Notifying close contacts helps individuals know about exposure and allows close contacts to make decisions based on their own risk assessment**

**284 cases** were reported in the MDSS from 6/3/2022 to 6/16/2022

EXPOSURE LETTERS AND CLOSE CONTACTS

ACHD sends potential Exposure Letters for COVID-19, similar to other communicable disease letters. Potential Exposure Letters are sent to school-aged individuals based on classroom and bus lists provided by schools. Quarantine might be required if there is an identified outbreak or ongoing spread in the facility. Recommendations regarding masking and quarantine may change as conditions evolve or if Allegan County moves to a high level of community transmission, based on the CDC framework.

**6,990 exposure letters** were sent out as of June 21, 2022

<sup>2</sup> Case investigation consists of contacting the individual and asking standard questions related to the disease and identifying those who might have been exposed.

<sup>3</sup> Household contact: person lived with someone who tested positive and later tested positive themselves.

<sup>4</sup> Community contact: person who was identified as a close contact in a setting other than a household

## 0 close contacts are currently being monitored as of June 21, 2022

## OUTBREAKS &amp; CLUSTERS

The following table shows the number of outbreaks<sup>5</sup> that ACHD has identified for high-risk settings in Allegan County as of June 16, 2022. **ACHD has identified one new outbreak related to Long-Term Care Facilities<sup>6</sup> since the last update.** No new outbreaks or clusters were identified for schools since the last report on May 24, 2022. ACHD has not identified any new outbreaks for businesses since February 17, 2022. ACHD reported six ongoing outbreaks and one ongoing<sup>7</sup> cluster in MDHHS' Situation Report as of June 16, 2022.

ACHD has a Business Mitigation Strategies Survey for businesses and Long-Term Care Facilities to complete and provide us with information on what current mitigation strategies they have in place, if there has been an outbreak identified at their location. Agencies can access the survey [here](#).

Type of Setting	Total Number of Outbreaks*
School	18
Business	8
Long Term Care <sup>β</sup>	25
Other Congregate Facilities <sup>α</sup>	2

\*Includes clusters per requirement indicated in MDSS' outbreak investigation fields to assign an outbreak code for 'clusters'

<sup>β</sup>Includes Skilled Nursing Facilities (SNF), Adult Foster Care (AFC), Home For the Aged (HFA), Assisted Living, and Independent Living facilities

<sup>α</sup>Includes jails, correctional facilities, and shelters

## LONG TERM CARE &amp; OTHER CONGREGATE CARE FACILITIES

An outbreak investigation is initiated when a resident at a Long-Term Care Facility (LTCF) is identified as a confirmed case of COVID-19. For correctional facilities, either a confirmed or a probable COVID-19 case will prompt an outbreak investigation. MDHHS offers further support for facilities via the Infection Prevention and Resource Assessment Team (IPRAT) when ACHD identifies facilities that are experiencing a large number of positive COVID-19 tests. As of June 16, 2022, ACHD has connected **nine** LTCFs in Allegan County with the IPRAT Team for additional mitigation assistance. During the month of May, ACHD saw a significant rise in potential outbreaks at Long-Term Care Facilities, as has been observed statewide; this trend is now decreasing. Despite the recent surge in cases related to SARS-CoV-2 infections, the **hospitalizations and deaths** at these facilities remain low. In Allegan County, a total of **59** resident probable and confirmed cases were reported in May, with **1 hospitalization** and **1 newly reported death**. In Michigan, the number of Long-Term Care Facilities reporting three or more cases in a single reporting period **decreased** in AFC/HFA from 29 to 20, and in Skilled Nursing Facilities (SNF) from 39 to 33 since the last Michigan Data and Modeling update on June 7, 2022.

**Many of the Long-Term Care Facilities in Allegan County are experiencing staffing shortages.** As of June 14, 2022, in Michigan 31% of SNFs reported **nursing shortages** and 34% of SNFs are reported **aide shortages**, which are slightly lower than the previous week.

**494 resident cases and 53 resident deaths have been reported from January 1, 2020, to June 7, 2022<sup>8</sup>**

<sup>5</sup> Outbreak investigation codes are assigned by the first date of onset

<sup>6</sup> Data from 10/21/2021

<sup>7</sup> The period of 28 days prior to the occurrence of an outbreak resolution

<sup>8</sup> The information above represents COVID-19 data reported directly to MDHHS by licensed and operating Skilled Nursing, Home for the Aged and Adult Foster Care facilities (licensed to serve 13 or more individuals) in Michigan from January 1, 2020, through June 7, 2022

According to statewide data<sup>9</sup>, the case counts reported in both residents and staff in both Adult Foster Care (AFC)/Home for the Aged (HFA) and Skilled Nursing Facilities (SNF) **increased** since the last report, two weeks prior. Cases within LTCFs continue to be higher among staff than among residents, which has been the case throughout the Delta and Omicron surges.

810 staff cases have been reported from January 1, 2020, to June 7, 2022

## SUFFICIENT HEALTH CARE CAPACITY

### HOSPITALIZATIONS

Allegan County falls in the Region 5 Health Care Coalition. Given the location of the county, some community members will also access hospitals in the Region 6 Health Care Coalition (Grand Rapids-Holland Region). The chart below lists the hospitals that Allegan County community members may access for COVID-19 and non-COVID-19-related health needs and their current capacity levels.

The following figures show the current percentage of inpatient beds treating COVID-19 patients, for the Grand Rapids Region (Region 6), and Kalamazoo Region (Region 5). The **Grand Rapids Region** had **3.8%** of inpatient beds that are COVID-19 positive, as of June 14, 2022, which is **1% lower** than the previous reporting period, May 25 to May 31. The **Kalamazoo Region** had **4.3%** of inpatient beds that are COVID-19 positive, as of June 14, 2022, which is **.3 % higher** than the previous reporting period, May 25 to May 31.

### HOSPITALS IN THE ALLEGAN COUNTY AREA

Note: Some smaller hospitals might not have ICU beds for COVID-19 or non-COVID-19 patients

As of 6/13/2022

Hospital	COVID-19 Patients	COVID-19 Patients in ICU	Bed Occupancy %
Ascension Borgess Allegan Hospital	0	0	12%
Ascension Borgess Hospital	14	6	70%
Ascension Borgess-Pipp Hospital	0	0	41%
Bronson Methodist Hospital	20	2	86%
Bronson South Haven	0	0	50%
Holland Community Hospital	3	0	53%
Mercy Health Mercy Campus	16	3	72%
Mercy Health St. Mary's Main Campus	14	0	70%
Metro Health Hospital	5	0	73%
Spectrum Health - Blodgett Hospital	10	0	93%
Spectrum Health - Butterworth Hospital	29	4	89%
Spectrum Health Zeeland Hospital	1	0	40%
Spectrum Helen DeVos Children's Hospital	2	0	79%

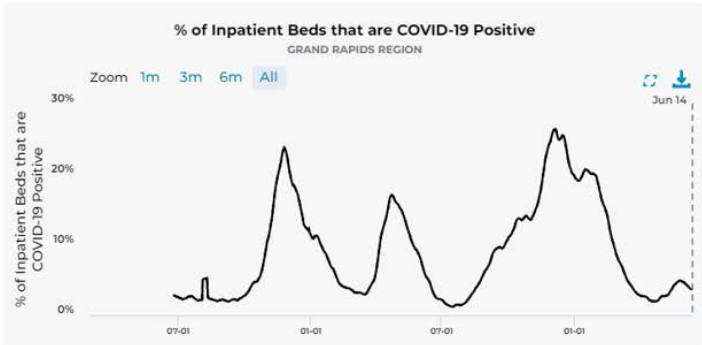
<sup>9</sup> The data is from weekly reporting by facilities with bed occupancy of at least 13 beds

**Hospital Capacity**  
Jun 08 - Jun 14

3.8% beds with COVID ⓘ

69.5 beds per million with COVID

1.6k beds per million (COVID + non-COVID)

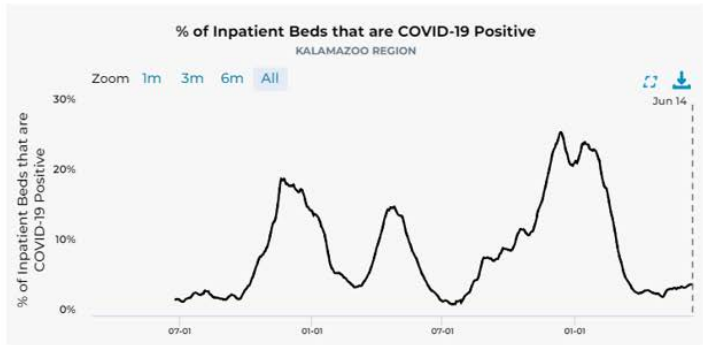


**Hospital Capacity**  
Jun 08 - Jun 14

4.3% beds with COVID ⓘ

57.4 beds per million with COVID

1.4k beds per million (COVID + non-COVID)



**DEATHS (7 DAY AVERAGE)**

**Deaths**  
Jun 08 - Jun 14

0 daily deaths



**BEST PRACTICES**

**SCHOOLS**

The Centers for Disease Control and Prevention (CDC) now [recommends everyone ages 6 months and older get vaccinated against COVID-19](#). Children under the age of 5 are now eligible to receive COVID-19 vaccines from both Pfizer and Moderna. The CDC also recommends children ages 5 and up receive COVID-19 booster doses at least 5 months after receiving their primary vaccine series. ACHD is encouraging parents to help protect their children from severe illness from COVID-19 this summer by keeping them up-to-date on their COVID-19 vaccines.

ACHD also encourages parents to keep children safe based on your [COVID-19 Community Level](#). Parents can learn more about COVID-19 Community levels, and about keeping their children COVID-19 safe in and out of school [here](#).

**BUSINESSES**

Businesses should continue to ensure increased ventilation, social distancing when possible, frequent handwashing, individuals staying home when sick and enhanced cleaning. These strategies help keep a healthy workplace.

## COMMUNICATIONS

COVID-19 Health Education has been a mandated service in this response. The following are metrics related to COVID communication efforts from 6/3/2022 – 6/16/2022:

- 6 Social media posts
- 11 Education materials created/updated
- 1 Community Update created
- 1 Provider Update created

## COMMUNITY VACCINATION/HERD IMMUNITY/TREATMENT

### COVID-19 VACCINES NOW AVAILABLE FOR CHILDREN UNDER 5

On June 15, 2022, the Food and Drug Administration’s (FDA) Vaccines and Related Biological Products Advisory Committee (VRBAC), met to vote on the safety and effectiveness of two COVID-19 vaccines (Moderna and Pfizer). The committee voted in approval of both the Moderna and the Pfizer vaccines for children 6 months to 5 years old. Both vaccines have been found to be safe and effective for children following a thorough and extensive clinical trial process. The FDA presentation slides from this meeting can be found [here](#). The Centers for Disease Control and Prevention (CDC) has [updated its COVID-19 vaccine recommendations](#) to include this age group. The following primary series recommendations for children are as follows:

### COVID-19 primary series vaccination for children and teens

Child's Age	Pfizer-BioNTech	Moderna	J&J/Janssen
6 months–4 years old	3 dose primary series	2 dose primary series	Not authorized
5 years old	2 dose primary series	2 dose primary series	Not authorized
6–17 years old	2 dose primary series	Not authorized	Not authorized

COVID-19 vaccine dosage is based on age on the day of vaccination, not on size or weight. The dosage for the Moderna and Pfizer under 5 age group COVID-19 vaccines is different, and the number of doses needed is different. For more information on COVID-19 vaccines and dosage for children and teens, visit:

- [Pfizer-BioNTech COVID-19 vaccine overview and safety](#)
- [Moderna COVID-19 Vaccine Overview and Safety](#)

The CDC recommends that children and teens who have already had COVID-19 still get vaccinated, as evidence indicates people can get added protection by getting vaccinated after having been infected with COVID-19.

Parents are encouraged to contact their child’s pediatrician or trusted health care provider for more information on vaccination or to get a vaccine. Your Local Epidemiologist, Katelyn Jetelina, also created a graphic aiming to answer questions: [COVID-19 Vaccine for Kids <5](#).

ACHD will be holding weekly vaccination clinics by appointment only at the Allegan County Health Department. Parents interested in getting the vaccine for their child can schedule a COVID-19 vaccine appointment by visiting our [online scheduler](#) or by calling 269-673-0205 if you have more than one person to schedule or if you need to make an appointment for a different day or time than offered online. A parent or guardian must be present for the child to receive the vaccination.

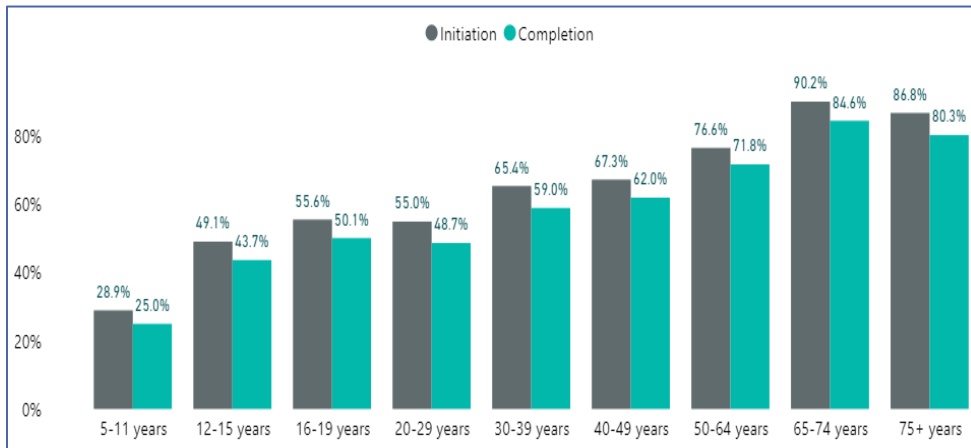
Data as of June 21, 2022



Parents are encouraged to keep their children up-to-date with COVID-19 vaccines, as they can help reduce infections and transmission in this age group, leading to less school disruptions and family disruptions

The Centers for Disease Control and Prevention (CDC) also released a [new tool](#) that lets you quickly see if and when you're eligible for a COVID-19 booster.

### COVID-19 VACCINE COVERAGE BY AGE GROUP



#### As of 6/17/2022

Residents aged 50+ have the highest percentage of vaccination, with these individuals meeting the 70% vaccination goal. Low vaccine rates seen in young children and adolescents may be due to the fact that emergency use was not authorized for this cohort until later on. Vaccine rates for ages 5-49 have been relatively stagnant since March 2022; vaccination rates for this group only increased about 1% since then.

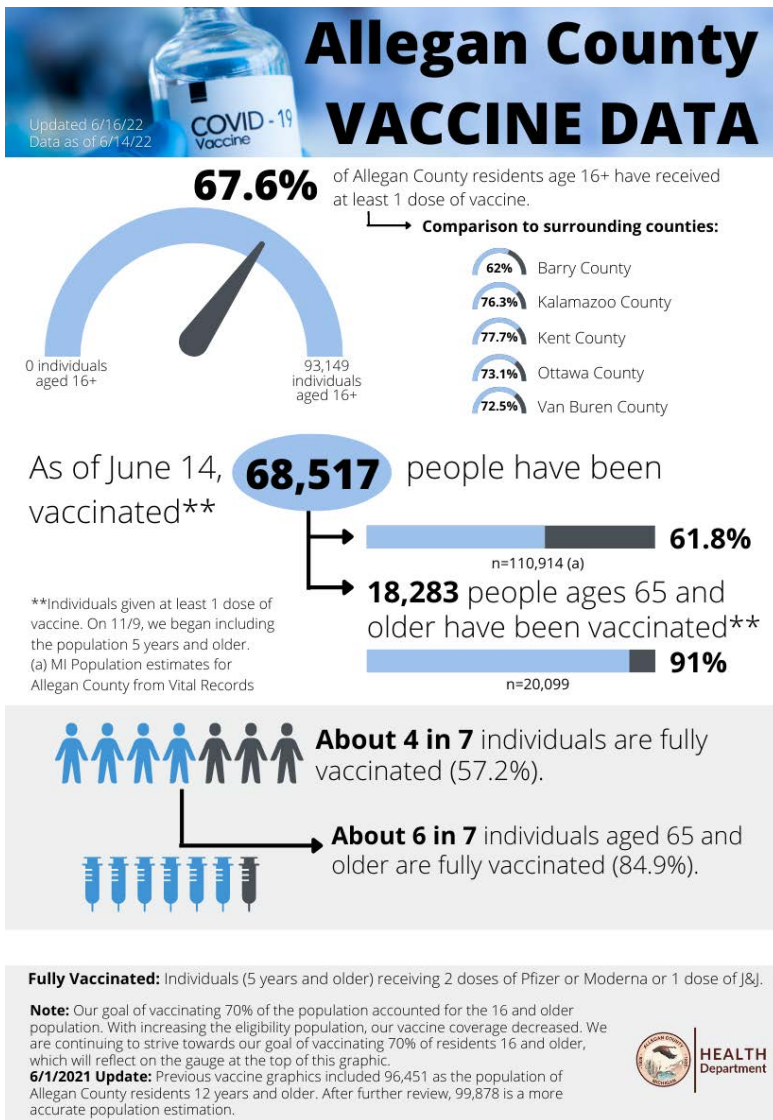
VACCINE AVAILABILITY

Vaccine availability remains high as pharmacies, doctor’s offices, and health care systems are administering vaccines. ACHD has vaccine appointments available on Thursdays each week for vulnerable populations or children in the Vaccine for Children program.

Now that children under the age of 5 are eligible for COVID-19 vaccines, parents can call ACHD to schedule an appointment for their child.

Residents are encouraged to visit [www.vaccinefinder.org](http://www.vaccinefinder.org) and [www.vaccinatewestmi.com](http://www.vaccinatewestmi.com) to find vaccination clinics near them, or call ACHD at 269-673-5411 to schedule an appointment.

ACHD works with businesses and organizations offering support and/or vaccination clinics if there is an outbreak detected and assistance needed.



VACCINE EFFECTIVENESS

COVID-19 vaccines continue to be an imperative layer in reducing the severity of illness, and the burden of hospitalizations and deaths in both children and adolescents, and adults. Data and studies show that **being up to date on the COVID-19 vaccination schedule was effective even during the predominance of the Omicron variant.**

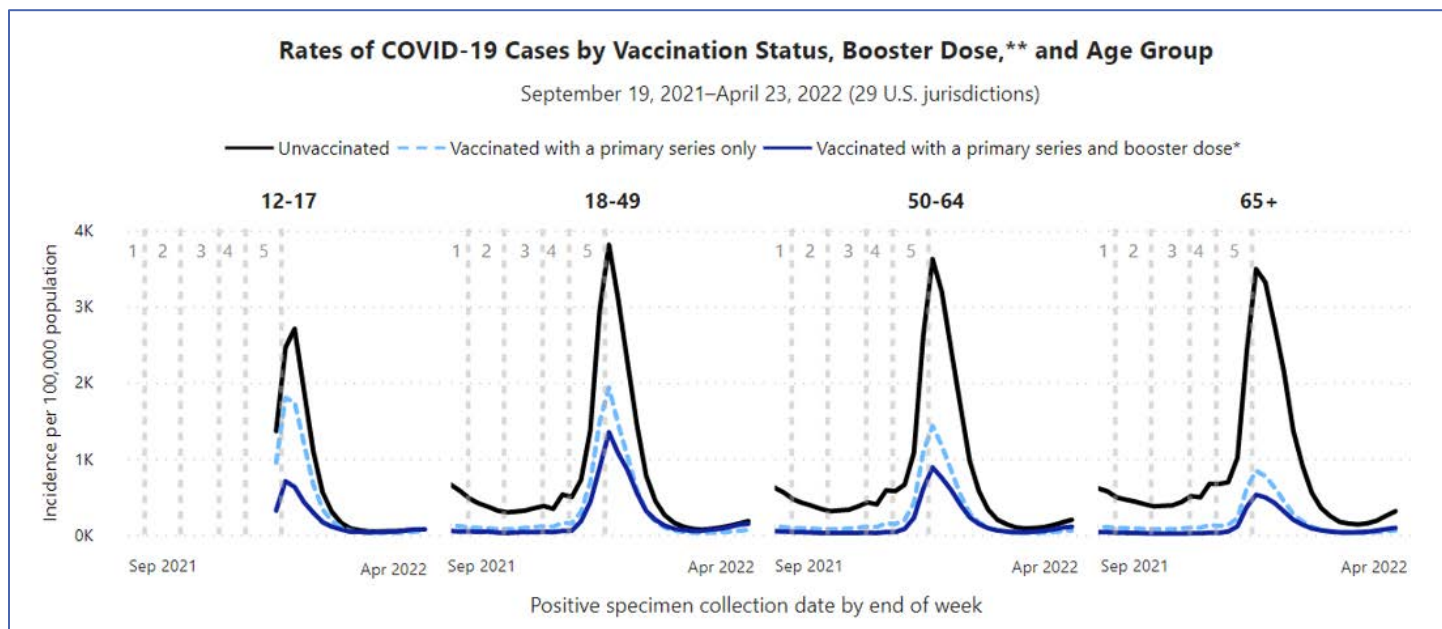
A collaborative study of COVID-19 vaccine effectiveness (VE) is conducted by the CDC and additional partners. These methods of the study follow various platforms for data collection and research design, and takes into account factors such as infection and hospitalizations that may affect the outcome of the study, population size, and method of the study. The evaluations from the [monthly CDC study](#) published in May 2022 on VE can be summarized as follows:

- **In adults:** The level of protection during the peak circulation of the Omicron variant was higher in individuals who received three COVID-19 mRNA vaccine doses (Pfizer/BioNTech or Moderna) or a Johnson and Johnson (Janssen) vaccine followed by an mRNA booster dose compared to those who received two Johnson and Johnson (Janssen) vaccine doses.
- **In children and adolescents:** During the dominance of the Omicron variant, “protection from getting symptomatic illness provided by the primary series (two doses) decreased among children (5 to 11 years of age) and even more among adolescents (12 to 15 years of age) within 2 months of the second dose.” Furthermore, an estimated VE rate of 71% was

Data as of June 21, 2022

found in adolescent individuals against developing a SARS-CoV-2 infection, in which the effectivity rate lasted for up to 6.5 weeks following receiving a booster, compared to a VE rate of only 17% after two months of receiving the second dose.

- **In nursing homes:** The level of VE was much greater against infection by the Omicron variant in residents who received additional primary or booster doses of COVID-19 vaccines than residents who had only received two doses of an mRNA vaccine (Pfizer-BioNTech or Moderna) or one dose of a Janssen (Johnson & Johnson) vaccine. The sample size for this study consisted of approximately 15,000 nursing homes.



The above chart is based on the data that was collected from September 19, 2021 through April 23, 2022 by CDC's COVID-19 Response, Epidemiology Task Force, Analytics and Surveillance: Vaccine Breakthrough Unit. The chart depicts COVID-19 case rates specific to age groups as it relates to vaccination status and booster dose per 100,000 population. As seen here, groups that are fully vaccinated (blue line) have a significantly lower likelihood to be infected with the SARS-CoV-2 virus; the level of protection against the virus increases with an additional booster dose (dotted blue line).

Furthermore, the CDC released the following [data](#) on June 17, 2022, which was developed by the breakthrough surveillance through April 2022, as it relates to the burden of hospitalizations and deaths by vaccination status:

- **Hospitalizations:**
  - The monthly rates of hospitalizations that were associated with COVID-19 were 3.6 times higher in individuals that were unvaccinated in the age group of 18 and older
  - The risk of COVID-19 hospitalization was 1.8 times higher in unvaccinated children ages 5 to 11 years old, and 1.5 times higher in adolescents 12 to 17 years old that were unvaccinated
- **Deaths:**
  - Unvaccinated individuals in the age groups of 12 years and older showed 8 times higher risk of dying from COVID-19; the risk of COVID-19 associated death was 6 times higher in unvaccinated people 5 years and older
  - People ages 50 and older who were unvaccinated had 42 times the risk of dying from COVID-19, compared to individuals that had received a primary series of the vaccine and two or more booster doses

## UPDATE: LOCAL HEALTH DEPARTMENT (LHD) BREAKTHROUGH DATA DISTRIBUTION

ACHD has consulted with the Regional Epidemiology Department and have extensively explored methods to provide breakthrough information (for individual cases on a local level) by exporting case data via MDSS. Accordingly, we have found that the following limitations are associated with this level of data export, which may affect the overall quality of local breakthrough case data:

- *Epidemiological rate calculations:* Due to the reduced sample sizes of Local Health Jurisdictions (LHJs), it has been determined that calculating Incidence Risk Ratios or vaccine effectiveness from individual-level case data is not recommended.
- *Under-reporting:* Data surrounding important metrics such as hospitalizations and deaths related to breakthrough cases carries the possibility of being under-reported during individual case investigations.
- *Missing data:* Breakthrough cases that are reported via MDSS is limited by factors such as data-backfilling and missing pertinent information when case investigations are not conducted.
- *Data insufficiency:* MDSS currently does not have a feature that can capture specific data around individual cases with a specimen collection date  $\geq$  14 days after receipt of an additional or booster dose of any COVID-19 vaccine on or after August 13, 2021.

The aforementioned challenges can affect the optimal quality and reliability of data, thus, limiting the scope of local breakthrough case analysis. Hence, **ACHD will follow MDHHS' strong recommendation for accessing breakthrough surveillance data on COVID-19 Vaccine Effectivity and/or Cases by Vaccination Status via the [CDC COVID Data Tracker](#).**

Michigan continues to follow the recommendation of the CDC and investigate breakthrough COVID-19 cases on a population-level, rather than on an individual-level. This means that while MDHHS will continue to investigate trends and the overall incidence of COVID-19 breakthrough cases and deaths, however, will not regularly investigate the individual cases for specific identifiers<sup>10</sup>. Statewide trends will continue to be updated weekly for Michigan in the [data and modeling](#) slide decks.

The data surrounding the rates of breakthrough cases, and burden of hospitalizations and deaths related to the SARS-CoV-2 infection, is further captured by learning [How and Why CDC Monitors Vaccine Effectiveness](#). **Fully vaccinated individuals are less likely to develop serious infections, and are less likely to become hospitalized or die from a SARS-CoV-2 infection.**

The breakthrough analysis provided by the CDC is a robust picture of current statistics and data for breakthrough cases, and follows a rigorous assessment of overall trends rather than looking at individual cases. For more information and the latest data on rates of COVID-19 breakthrough cases, hospitalizations, and deaths, please refer to [CDC COVID Data Tracker: Rates of COVID-19 Cases and Deaths by Vaccination Status](#).

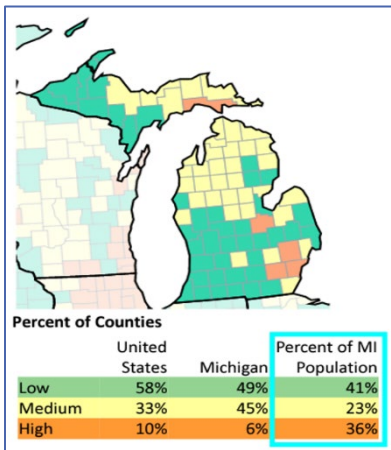
## COVID-19 SURVEILLANCE

The main component of communicable disease investigation is surveillance, which is used to identify outbreaks or surges in cases regionally, statewide, nationally, and globally. ACHD has noted that there are increases related to COVID-19 activity from the BA.2 Omicron sub-variant in other areas of the world. In past data trends, the pattern indicating an increase in the case counts in other countries is also seen in the United States. ACHD continues to monitor these case surges.

## STATEWIDE COVID-19 SURVEILLANCE

Statewide, as of **June 15, 2022**, [Michigan Coronavirus Data](#) reports a total of **2,581,397 cases** and **36,675 deaths** related to the SARS-CoV-2 infection.

<sup>10</sup> Metrics for hospitalization and death



In the June 14, 2022 MDHHS’ data and modeling [update](#), **6%** of Michigan counties are at **High COVID-19 Community Levels**, which is a significant decrease from the last week of May, and **49%** are at **Low Community Levels** per data as of June 9, 2022. Currently, 36% of the residents in Michigan are living in a county categorized as a High COVID-19 community level. Michigan counties that are at Medium COVID-19 community levels are currently at 33% percent, which is a decrease from 36% during the week of May 23, 2022, and now includes 23% of the population in Michigan.

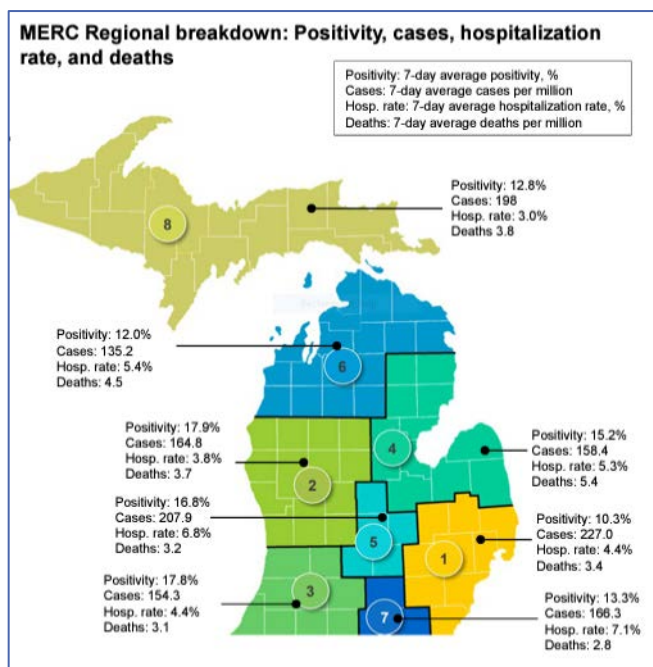
Case rates are currently observed as having plateaued across Michigan. The 7-day **case rates in all age groups are decreasing or plateauing** in both daily confirmed and probable cases per million by age group. Statewide, case rates have decreased in the school-aged population; data shows that case rates are currently lower in the 5 to 18 year old age group than the 19 to 50 age group as of June 13, 2022.

Nearly half of the age groups have seen a decrease in hospitalizations during the week of June 6, 2022. [Data and modeling](#) shows that trends for daily hospital admissions has slightly decreased (-4%) since last week (versus -12% in the prior week of May 30, 2022.) Data through May 20, 2022 shows that **the 7-day average death rate has decreased for individuals in the age group over 80 years.**

The adjacent map shows data distribution across the Michigan Economic Recovery Council (MERC) regions as of June 14, 2022. The data indicate that **MERC Region 3**, which includes Allegan County, has a **7-day hospitalization rate of 4.4%**. The statewide **COVID+ census in hospitals has decreased by 5%**, and the **COVID+ ICU census noted an overall increase by 10%** from the prior week of June 6, 2022. The COVID positive hospital census has increased in Preparedness Regions 5, 6, and 8, and decreased in Regions 1, 2N, 2S, 3, and 7. ICU occupancy is below 85% across all Preparedness Regions in Michigan.

Statewide, case rates across all age groups are seen to be decreasing or plateauing during the week of June 13, 2022. Data as of June 3, 2022 indicate that the case rates by onset date for all age groups are now between 124.5 and 262.4 per million persons (which is a decrease from 186.8 and 391.2 per million persons as of May 23, 2022). Case counts and rates continue to remain highest in the 30 to 39 age groups, followed by 20 to 29 and 80+ age groups.

Case rates by race or ethnicity data are decreasing or plateauing for all reported race and ethnic groups. Case counts are decreasing or plateaued for both residents and staff that work or live in Long Term Care Facilities (LTCFs). Case counts in both residents and staff, and the reported number of outbreaks in LTCFs are declining as of May 31, 2022. Furthermore, data shows that the COVID positive hospital admission rates have been decreasing in the 60 to 80 age group, and LTCFs reporting three or more cases in a single reporting period have seen a decrease in most facility types such as Adult Foster Care (AFC), Home For the Aged (HFA), and Skilled Nursing Facility (SNF).







The adjacent chart is a statewide depiction of trends related to metrics such as COVID-19 hospitalizations, and ICU occupancy or ventilator usage. Data is from EMResource based on information derived from September 2020 to June 10, 2022.

**Currently, Michigan is seeing the lowest percentage of hospitalizations requiring ICU or ventilator since September 2020, which is indicated by the red circle (in the adjacent chart).**

Both hospitalizations and ICU occupancy/ventilator use related to COVID-19 have seen a general decline in the proportion compared to the total adult patients hospitalized between September 2020 and May 2022. This decrease has been noted to be steeper in the last couple of months. Although these metrics are lagging indicators, the data shows that hospitalizations requiring ICU admissions or ventilator is not expected

to exceed that of the previous waves (Alpha and Delta.)

It is important to note that **vaccinations and therapeutics may have played a significant role in the decrease of severe disease burden.** Data observations from all prior surges (Alpha and Delta waves) showed a simultaneous increase in patients hospitalized with COVID-19 versus patients in Intensive Care Unit (ICU) and/or ventilators with COVID-19; however, the current surge (Omicron) is indicative of a dissociation in the aforementioned three metrics. Although the current surge indicates an uptick in patients hospitalized with COVID-19, there have not been an increase in ICU and ventilators usage related to COVID-19. This shows that most hospitalized patients are not experiencing severe illnesses related to the SARS-CoV-2 infection.

MICHIGAN 7-DAY METRICS/DATA SURVEILLANCE<sup>11</sup> AS OF JUNE 16, 2022

Cases	Percent Positivity	Deaths	New Hospital Admissions	% of Population ≥ 5 Years of Age Fully Vaccinated
15, 578	10-14.9	137	122.71	64.2

Michigan remains in the *recovery phase*<sup>12</sup> due to current case rates and hospitalizations and increased access to mitigation measures. **Administration of COVID-19 vaccinations and booster doses remain a critical component during the recovery phase.** Mask requirements continue to return to some schools and businesses located in counties with High COVID-19 Community Levels.

NATIONWIDE COVID-19 SURVEILLANCE

Total cases nationwide as of June 17, 2022, is **86,058,521 (up 1,508,129 from June 3, 2022).** **1,012,647 total deaths (up 4,584 from June 3, 2022)** have been reported as of June 17, 2022; which accounts for more than 15% of total deaths worldwide

GAPS IN EQUITY AND DATA

<sup>11</sup> [CDC COVID-19 Data Tracker](#)

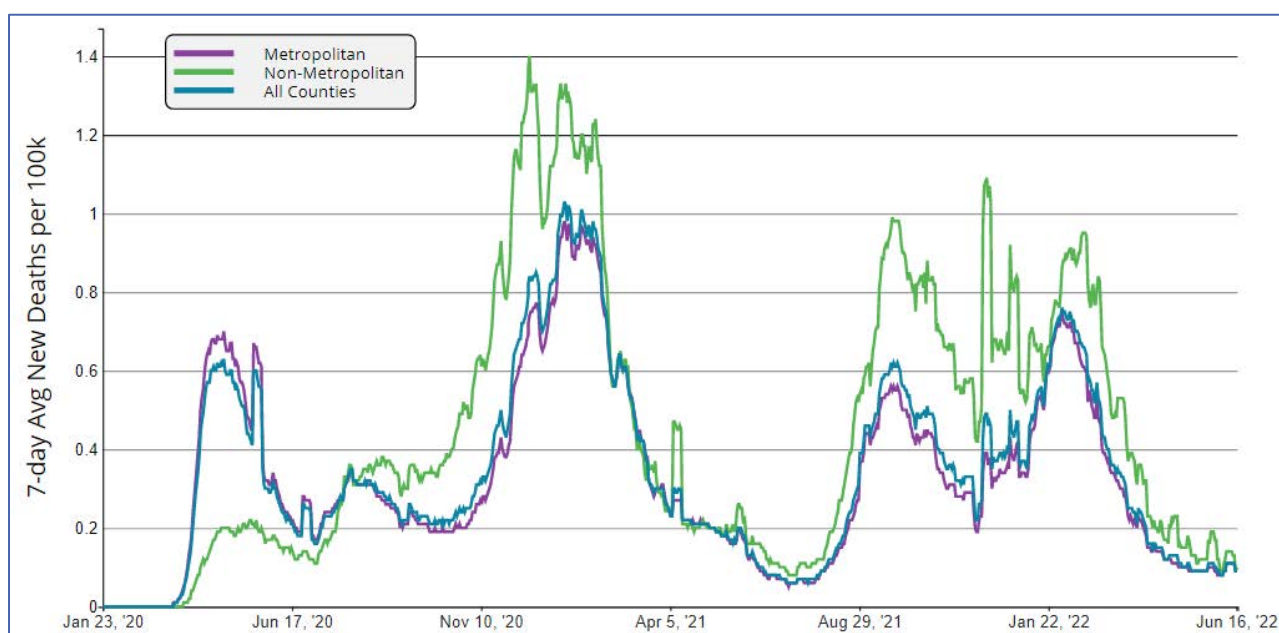
<sup>12</sup> Recovery phase is the post-surge time period in which no immediate resurgence is predicted, and local and state public health will monitor conditions leading to future surges (MDHHS)



Over the course of the COVID-19 pandemic, inequities have been observed across the country. Each state has adopted their own mitigation strategies in order to respond to their own unique health landscape.

As of June 17, 2022, cases are going up in the South and Western parts of the United States. Florida has the most cases for the Eastern part of the US (346 cases per 100,000). Despite the rise in cases, total deaths are relatively low for the US. During this 7-day reporting period, **Michigan reported the highest rate of deaths per 100,000 population; 1.4 deaths per 100,000.**

Metropolitan areas have lower deaths from COVID-19 compared to non-metropolitan areas. Residents in rural areas are more vulnerable to severe illness or death from COVID-19 than metro' residents because of factors such as: older age, underlying health conditions, and lack of health insurance. According to the CDC, people who live in rural areas have more difficulty accessing medical care, measured as 'lacking health insurance or residing more than 32 miles from a hospital with an intensive care unit'. Of the 628 high-distance counties in the US, 46% are also high vulnerability for older age and 17 percent are high vulnerability for underlying medical conditions. Overall, 93% of high-distance counties in the US are rural. The following chart depicts Metropolitan and Non-Metropolitan Deaths in the US.



In the US, approximately 35% of cases and 15% deaths are missing race/ethnicity data. Out of the 98% of COVID-19 cases with "sex" defined, 53.3% of cases are female and 46.7% cases are male. For deaths however, out of the 99% of COVID-19 deaths where "sex" defined, 44.9% are female and 55.1% are male.

### Region 5 Update

As of June 14, 2022, signs of plateaus and declines continue to be observed in Region 5 (Midwest) states, which includes Michigan; with Illinois and Wisconsin now having the highest case rates. In the U.S., **10%** of counties are at **High COVID-19 Community Levels**, a 3% increase from the June 7, 2022 [data modeling updates](#). California, Texas, Florida, New York and Illinois have the highest overall cases in the nation as of June 17, 2022. **Michigan is currently ranked number ten** for COVID-19 case counts. The U.S. has reported the 7-day COVID-19 case average has increased over **8%** since the prior week. The case rate as of June 14, 2022, is 229 cases/100,000 for the previous 7 days (last week: 206 cases per/100,000). For reference, Allegan County saw a case rate of 119.4 per 100,000 for this reporting period.

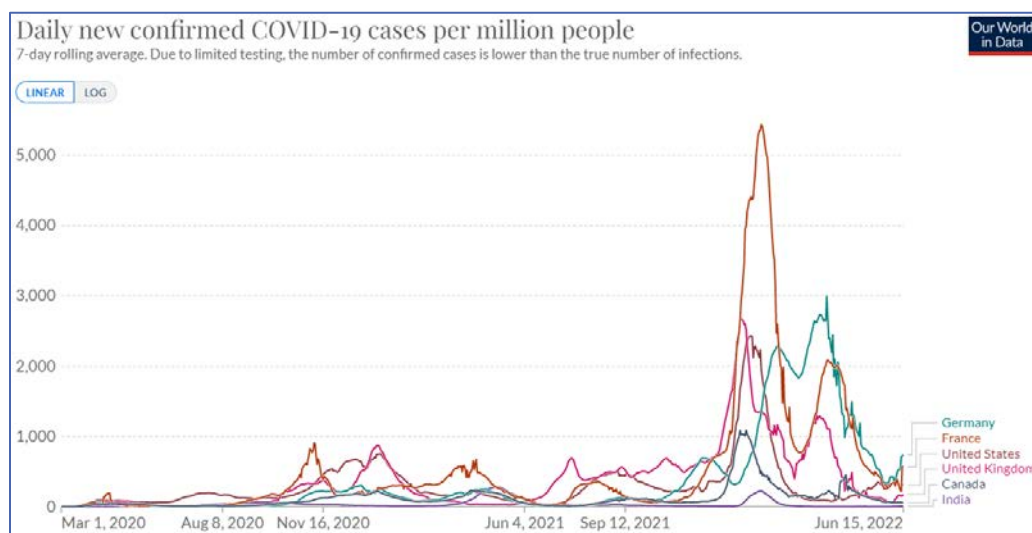
Data as of June 21, 2022

Region 5 States with the Highest COVID-19 Case Rates	Cases Reported in the Last 7 Days†	Deaths Reported in the Last 7 Days†
Illinois	28,720	86
Wisconsin	11,220	40

†Data reported by the [CDC COVID-19 Data Tracker](#) as of June 16, 2022

## GLOBAL COVID-19 SURVEILLANCE

Globally, as of **June 16, 2022**, the World Health Organization (WHO) reports **535,248,141 confirmed cases (up 6,431,824 from June 3, 2022)** and **6,313,229 deaths (up 18,260 from June 3, 2022)** related to the SARS-CoV-2 infection. There is a regular and ongoing study of potential variants of concern (VOCs), variants of interest (VOIs), or variants under monitoring (VOIs) conducted by WHO in order to assess the risk posed to public health. The global epidemiological updates by WHO for the weeks of May 15 through May 28 of 2022 notes a 4% decline in the number of BA.2 (Omicron sublineage) sequences. Overall, many European countries are seeing steady case rates following the second Omicron wave.



The adjacent chart shows the 7-day rolling average of daily new confirmed COVID-19 cases per million people for Germany, France, United States, United Kingdom, Canada, and India. These countries relay data through June 15, 2022 and are depicted in this chart relative to population size.

Globally, the countries showing the highest increase in this chart as of June 15, 2022 are Germany (green line) with an average of 742.24 cases per million persons,

and France (red line) with an average of 569.41 cases per million persons. Of note, it is likely that cases are much higher than the number of reported cases in areas with limited testing capacity.

According to **WHO's weekly Epidemiological Situation Report** as of June 15, 2022, **the number of new weekly deaths is on the rise again, with more than 8700 fatalities reported globally, which is a 4% increase** compared to the previous week of June 6, 2022. This increase is noted to occur after five weeks of decline in cases. The highest numbers of new deaths in the European region were reported from the Russian Federation (500 new deaths), which included Italy (443 new deaths, +17%) and France (240 new deaths, -26%). The number of new deaths in the Region of the Americas (United States, Brazil, and Canada) increased by 21% compared to the week prior to June 15, 2022.

The [CDC](#) highlights the following imperative goals as part of the **Global Response to COVID-19 for the years 2020-2023**:

- Reduce transmission of SARS-CoV-2 and impact of COVID-19 globally
- Expand scientific knowledge of SARS-CoV-2 and strengthen global public health leadership
- Improve long-term health security in low and middle income countries

As of June 17, 2022, there are no countries indicated at COVID-19 risk level 4 with special circumstances and/or travel precautions. The Johns Hopkins University and Medicine Coronavirus Resource Center (JHU) has reported case surges in Taiwan, Germany and Brazil as of June 17, 2022.

Data as of June 21, 2022

COVID-19 Risk Level 3 (High)	Cases Reported in the Last 7 Days*	Deaths Reported in the Last 7 Days*
Taiwan	No data available	No data available
Germany	399,472	39
Brazil	275,316	1,006

\*Data reported by the [World Health Organization Coronavirus Dashboard](#) as of June 17, 2022

COVID-19 Risk Level 3 (High)	Weekly New Hospital Admissions for COVID-19**	Closest Available Date of Data Point**
Taiwan	No data available	No data available
Germany	2,945	6/16/2022
Brazil	No data available	No data available

\*\*Data reported by the [Our World in Data - Coronavirus \(COVID-19\) Hospitalizations](#)

The WHO has included a structured document that summarizes current public health surveillance of COVID-19, which includes key components such as case investigation, surveillance, and epidemiological protocols. These components focus on the “coronavirus disease 2019 (COVID-19) in humans resulting from the infection caused by the SARS-CoV-2 virus.” For more information, please visit: [WHO: Public Health Surveillance COVID-19: Interim Guidance](#).

As part of the CDC’s global response measures, over 1.2 billion COVID-19 Vaccines are donated by the United States to countries that are in need. CDC’s global vaccine priorities are carried out through the initiative for Global Vaccine Access (Global VAX), which is “a whole-of-United States government effort to turn vaccines in vials into vaccinations in arms for eligible populations around the world.” The Global VAX initiative aims at meeting the crucial need of following the COVID-19 vaccination goal in all countries. For more information, visit: [CDC Accelerates Global COVID-19 Vaccinations through Global VAX](#)

## WASTEWATER SURVEILLANCE

### UPDATE: MDHHS Wastewater Surveillance as of June 14, 2022

- 25% (5/20) of Sentinel Wastewater Epidemiology Evaluation Project (SWEET) sites had an increase in trends during this 15-day reporting period
- 20% (4/20) of sites saw a plateau in trends over the last 15 days
- 55% (11/20) of sentinel sites are showing declines in the last 15 days

ACHD has been working with Hope College as they sample wastewater for COVID-19 to determine future directions for its use. There are 20 sewer-shed sites that are reporting positive and negative test results to MDHHS every week. For more information, please

visit [Coronavirus - Sentinel Wastewater Epidemiology Evaluation Project \(SWEET\) \(michigan.gov\)](#).

Hope College has collaborated with several local health departments to produce a dashboard, which displays the most recent wastewater readings and the case counts for participating counties. A shared wastewater dashboard configuration for sister counties Ottawa and Allegan was created to evaluate wastewater levels for both jurisdictions simultaneously. The colored circles of differing sizes represent the concentration of COVID-19 in the wastewater as of June 16, 2022 (TPA<sup>13</sup>, TPP<sup>14</sup>, TPDS<sup>15</sup>), that have existing data points for the most recent nine calendar days (). The red circles represent higher COVID-19 concentration levels, the yellow circle represents lower concentration levels and green circles indicate virtually no COVID-19 detection in the sample.

**The following three sites have the most current and accurate data readings:**

<sup>13</sup> Allegan Water Resource Recovery Facility

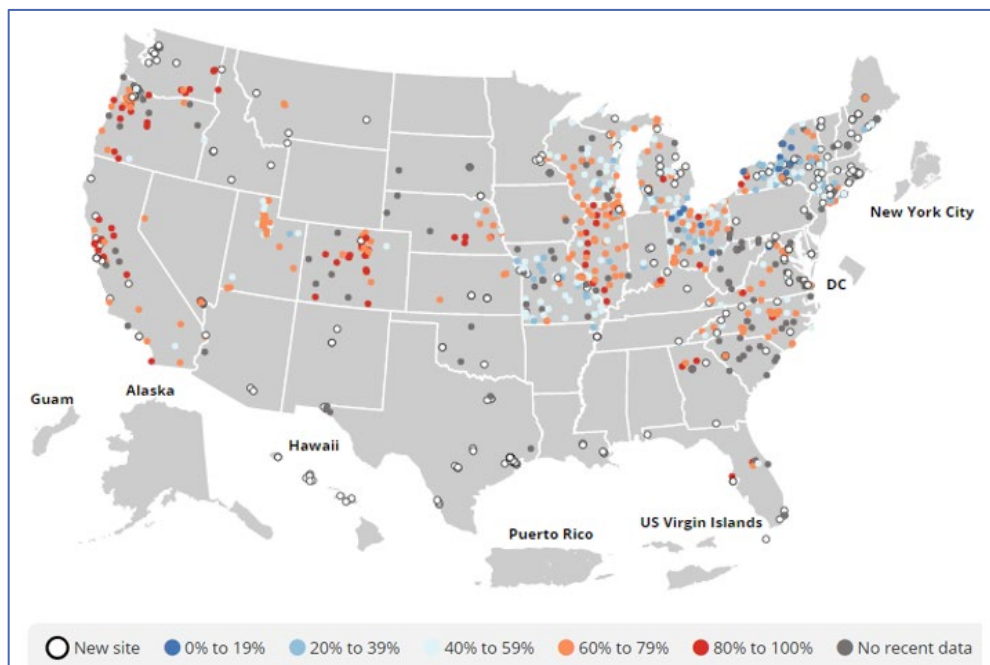
<sup>14</sup> Plainwell Wastewater Treatment Plant

<sup>15</sup> Douglas/Saugatuck WWTP

Allegan Sewershed Sites	Trend Dates		Current Trend Patterns
TPA	6/16/2022		Decreasing
TPP	6/15/2022		Slightly Increasing
TPDS	6/14/2022		Decreasing



Figure 1 the current wastewater sewer shed sites that Hope College is monitoring in Allegan County.



Wastewater surveillance is rapidly increasing in the U.S.

The adjacent map shows 996 wastewater-sampling sites in the US as of June 13, 2022. **Up 42 sites from June 3.**

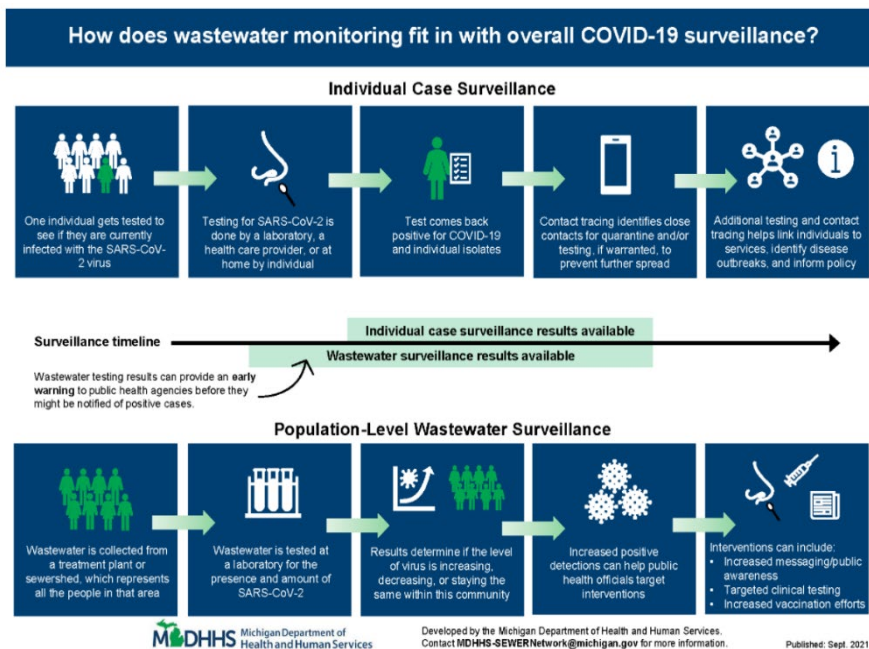
251 new wastewater-sampling sites were being monitored during the timeframe, May 30, 2022 to June 13, 2022



A modest overall increase in wastewater levels, which may lead to a large percent change, does not necessarily mean we will see major increases in transmission in a community. More than half of sites in the U.S. are seeing "modest increases" in levels of virus, according to CDC, although the system does not cover the entire country and does not yet have the capacity to offer an ongoing estimate of the true number of cases beyond official counts. Access to at-home tests, comes at the expense of comprehensive data. As a result, **we have to infer that there are more cases than are actually reported.**

The figure to the right depicts the method of using wastewater surveillance data to monitor case patterns at individual and population levels as it relates to the SARS-CoV-2 infection.

ACHD will continue to monitor available dashboards for future case surges correlating to local wastewater signals. There will be more information regarding this level of data analysis in future updates. MDHHS is working toward including wastewater surveillance for Allegan County in the SWEEP dashboard.

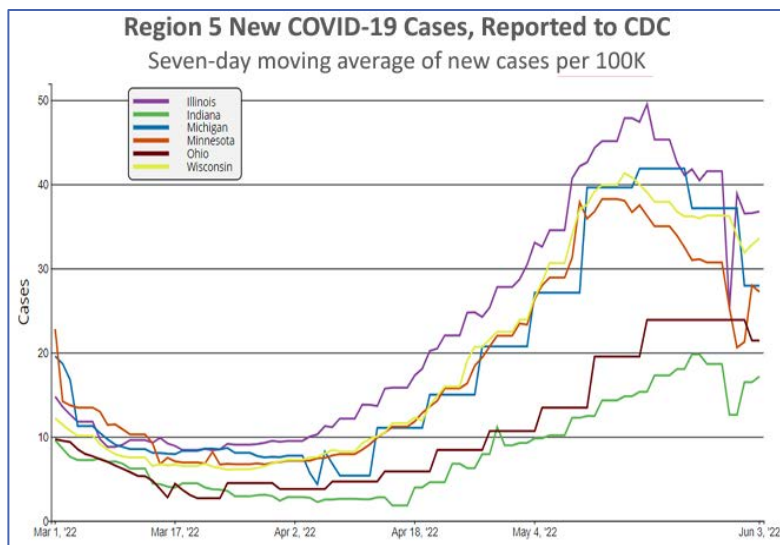


**BA.2 OMICRON SUB-VARIANT**

Global trends for BA.2 cases are slowing, however, showing overall case counts show differences by location. Many countries in Europe continue to have plateaued or show early signs of decline. Case rates in the U.S. have plateaued over the past two weeks and case counts appears to be have also plateaued in Midwestern states (Region 5). Current data continues to show that given the levels of vaccination/boosters and immunity from recent Omicron infection, a significant rise in hospitalization and mortality is not expected to occur.

BA.2.12.1 continues to be the common variant circulating in HHS Region 5, which includes Michigan, Illinois, Indiana, Minnesota, Ohio, and Wisconsin. Since May 1, 2022, there have been 2,044 variant of concern (VOC) specimens sequenced in Michigan in which 100% of specimens were sequenced as Omicron.

The adjacent chart shows the current increase in the 7-day moving average of new cases per 100,000 population in Michigan (blue line), and includes data as of June 3, 2022.



BA.2 is more resistant to some monoclonal treatments than BA.1 and BA.1.1 variants. The following antiviral therapies are still encouraged as treatments against the BA.2 variant: Paxlovid, Remdesivir, and Molnupiravir. For more information on these COVID-19 therapies, visit [COVID-19 Therapeutics Information Page](#).

As cases of this new variant continue to rise, the same preventive measures are recommended to curb its spread and reduce the virus' opportunities for mutation. ACHD continues to monitor this Omicron sub-lineage and deploy response measures accordingly. For more information, visit: [Nonhospitalized Adults: Therapeutic Management | COVID-19 Treatment Guidelines \(nih.gov\)](#)

Data as of June 21, 2022

## STUDIES ON EMERGING VARIANT AS OF JUNE 14, 2022 DATA AND MODELING

Omicron continues to be the predominant variant of concern (VOC) with several sub-lineages, including BA.4, BA.5, BA.2.12.1, and recombinants of these.

**The BA.2.12.1 sublineage is currently the most predominant variant in the U.S, however, the proportion of BA.2 is decreasing and noted to be less than 50% for the first time since May 2022.**

The VOC Distribution in Michigan chart shows the Variant of Concern (VOC) distribution in Michigan as published by the [MDHHS data and modeling](#) on June 14, 2022. The chart depicts that **100% of the specimens sequenced were indicative of the Omicron BA.1.1.529 variant and sub-variant BA.2.**

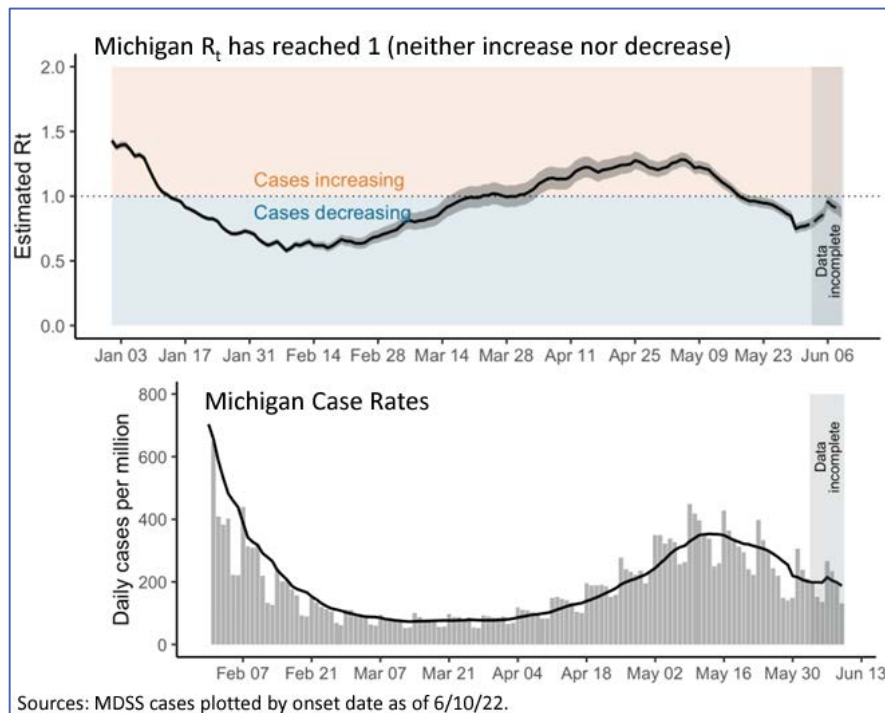
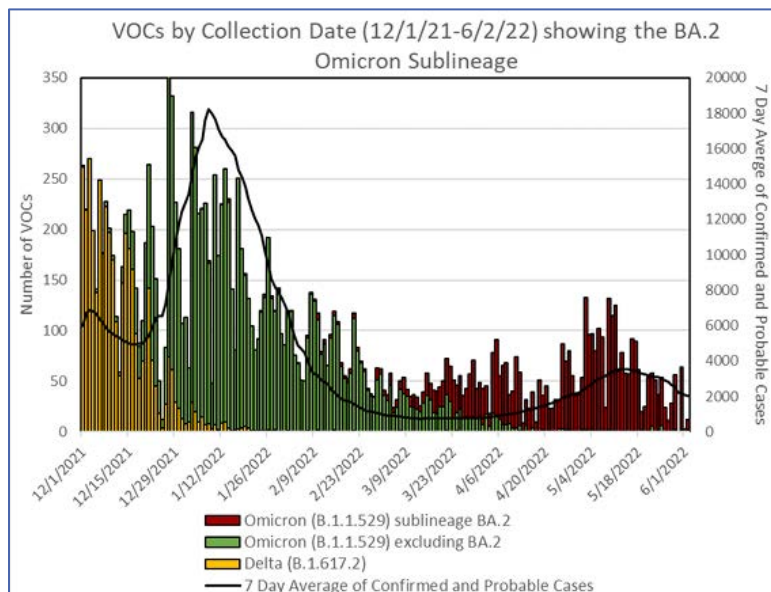
BA.4 and BA.5 are newer sublineages of the Omicron variant, which may spread more rapidly than current Omicron lineages that are circulating in the United States (U.S) and the United Kingdom (U.K). The available data related to the transmission of newer Omicron sublineages are still very preliminary; however, note that these variants are currently spreading in other countries such as South Africa (BA.4) and Portugal (BA.5). A small fraction of specimens has been identified as BA.4 (19) and BA.5 (8) in Michigan.

The adjacent chart depicts an update in the statewide Estimated Rt from the new data and modeling completed as of June 14, 2021.

Case rates increase when the Rt is greater than 1 and decrease when the Rt is less than 1.

As relayed in the previous update, **Michigan Rt continues to stay at 1**, which indicates neither an increase or decrease. This means that case rates in Michigan appear to have plateaued.

Data as of June 10, 2022 via [MIStartMap](#) shows that eight counties are currently seeing increases, which is a significant decrease from 39 counties in the week prior to June 1, 2022. There are three counties currently seen at elevated incidence plateaus, which has also significantly decreased since the previous update of 26 counties at that incidence.



*Estimated-Rt study limitation:* This modeling is subject to change as MDHHS continues to follow Michigan data closely.

Data as of June 21, 2022



## EPIDEMIOLOGIC SURVEILLANCE

Epidemiologic surveillance is defined as “the ongoing and systematic collection, analysis, and interpretation of health data in the process of describing and monitoring a health event.” The information derived around epidemiologic surveillance adds great significance or value to one of the core goals of Public Health – to plan, implement, and evaluate interventions and programs. Furthermore, this level of disease surveillance initiates appropriate public health actions during a public health emergency. Such actions call for a prompt response to affected populations by forming an understanding of the nature of disease or exposure, and informing Infection and Prevention Control (IPC) activities. ACHD continues to monitor emerging health threats and conduct disease surveillance for Allegan County.

## MONKEYPOX

Monkeypox is a rare disease caused by an infection with the monkeypox virus, which was initially discovered in 1958. The name ‘monkeypox’ was derived following two outbreaks of a pox-like disease in colonies of monkeys that were preserved for research purposes. The first human case of monkeypox was documented in 1970 in the Democratic Republic of Congo. For more information and key facts about this poxvirus, visit: [World Health Organization: Monkeypox](#) and [CDC | Monkeypox | Poxvirus](#).

Globally, a number of non-endemic countries have reported to the World Health Organization (WHO) of having identified the largest cluster of these cases. Epidemiological investigations are ongoing (internationally) and the route of transmission between individuals identified in these clusters are under further study. For a detailed list of the outbreaks reported in non-endemic countries, visit: [Multi-country monkeypox outbreak in non-endemic countries \(who.int\)](#)

**CDC is urging U.S. healthcare providers to be alert for patients associating with rash-illnesses.** For information regarding CDC’s clinician recommendations, visit [2022 United States Monkeypox Case | Monkeypox | Poxvirus | CDC](#).

As of June 14, 2022, MDHHS’ Regional Epidemiologist Report has released the following key resources and information related to the monkeypox disease:

- United States: 35 confirmed monkeypox/orthopoxvirus cases in 14 states and the District of Columbia ([CDC US Map](#))
- Global: 1,088 confirmed cases in 29 countries ([CDC Global Map](#))

MDHHS is actively working with the CDC to establish further action-steps and processes in place for state and local health response to the monkeypox virus. On May 20, 2022 the CDC and Michigan Health Alert Network (MI-HAN) issued that **suspicion for monkeypox should be heightened if the rash occurs in individuals who:**

- Traveled to countries with recently confirmed cases of monkeypox
- Reported as having had contact with a person or people who have a similar appearing rash or received a diagnosis of confirmed or suspected monkeypox, or is a man who regularly has close or intimate in-person contact with other men, including those met through an online website, digital application (“app”), or at a bar or party
  - Lesions may be disseminated or located on the genital or perianal area alone. Some patients may present with proctitis, and their illness could be clinically confused with a sexually transmitted infection (STI) like syphilis or herpes, or with varicella zoster virus infection
- Clinicians should consult their local health department if they suspect monkeypox; if the local health department cannot be reached, notify MDHHS Bureau of Infectious Disease Prevention for case evaluation and specimen testing coordination at 517-335-8165 or, if afterhours, at 517-335-9030

A summary of the first 17 cases in the US was released by the CDC in the June 3, 2022 Morbidity and Mortality Weekly Report (MMWR) [Monkeypox Outbreak — Nine States, May 2022](#)

- 14 patients reported international travel involving 11 countries during the 21 days preceding symptom onset
- 16 patients identified as men who have sex with men (MSM)
- All patients were adults (average age = 40 years; range = 28–61 years)

Data as of June 21, 2022

- The symptom onset for ‘rash’ was reported for the timeframe May 1, 2022 through May 27, 2022
- 12 patients reported prodromal symptoms before rash onset such as fatigue, fever, or headache.
- Among 8 patients, the rash started in the genital or perianal area. All but 1 patient developed a disseminated rash, occurring on the arms, trunk, legs, and face.

The COVID-19 pandemic led the current presidential administration to re-evaluate its biodefense strategies. The new Senior Director for Global Health Security and Biodefense on the United States National Security Council, Raj Panjabi, is in charge of overseeing the current monkeypox outbreak. The outbreak mirrors the difficulties experienced during the COVID-19 pandemic, for instance, challenges with global communication, limited supply of vaccines and overall inequities in healthcare access. This new role may present opportunities for funding additional public health resources and will ensure more coordinated responses to future pandemics.

## MONKEYPOX: WHAT TO KNOW

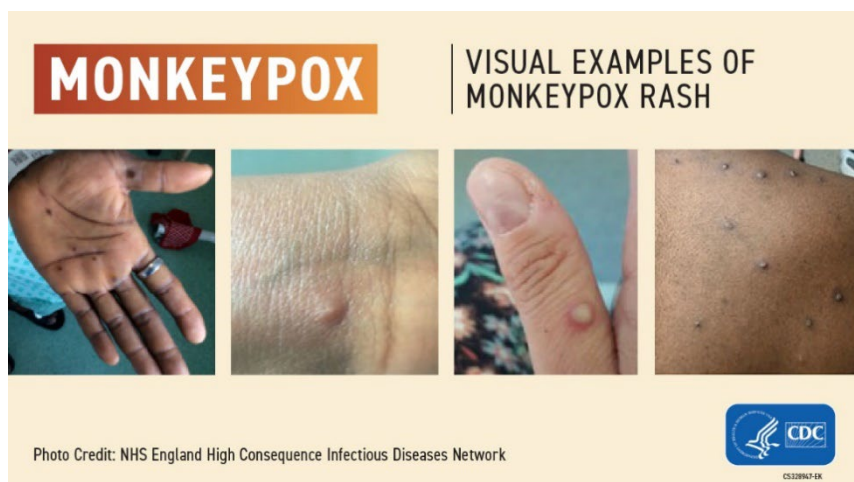
The risk for getting monkeypox in the United States is low, but it’s important to know the symptoms. Anyone who has a rash that looks like monkeypox and has had potential exposure to the virus should talk to their healthcare provider. A monkeypox rash may initially appear similar to pimples, blisters, or raised bumps, and it may be accompanied by fever and chills.

Monkeypox can spread to anyone through close, personal, often skin-to-skin contact including:

- Direct contact with monkeypox rash, sores, or scabs
- Contact with objects, fabrics (clothing, bedding, or towels), and surfaces that have been used by someone with monkeypox
- Through respiratory droplets or oral fluids from a person with monkeypox
- This contact can happen during intimate sexual contact

Early flu-like symptoms of monkeypox can include:

- Fever, headache, muscle aches and backache, swollen lymph nodes, chills, exhaustion
- Rash or sores, sometimes located on or near the genitals or anus, but sometimes in other areas like the hands, feet, chest, or face – sores will go through several stages before healing
- Monkeypox can be spread from the time symptoms start until all sores have healed and a fresh layer of skin has formed – this can take several weeks.



To know what to look for visit the [CDC Monkeypox Signs and Symptoms page](#) or click the image to the left.

People with symptoms of monkeypox, including unexplained lesions or rash, should contact their health care provider for an evaluation and should avoid close contact with others, including intimate or sexual contact until they are evaluated or tested. If you have monkeypox, follow the treatment and prevention recommendations of your healthcare provider.

## HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI)

As of **June 11, 2022**, the statewide stop on poultry and waterfowl exhibitions has been lifted. According to the Centers for Disease Control and Prevention (CDC), detection remains low and no bird products infected with HPAI will enter the commercial food chain. HPAI can still be detected in wild birds throughout the state, it is important for owners and caretakers of domestic birds to take all precautions to protect their flock. More information on the lifting of the stop can be found in the [frequently asked questions](#) available at [Michigan.gov/BirdFlu](https://Michigan.gov/BirdFlu). Read [previous BOC updates on HPAI](#).

Biosecurity tips for HPAI flock owners should keep in mind:

- Prevent contact between domestic and wild birds by bringing them indoors or keeping them in fully enclosed outdoor areas
- Wash your hands and gear before and after handling birds as well as moving between different coops
- Discard equipment if it cannot be disinfected
- Do not share equipment or other supplies between coops and other farms
- Using well or municipal water as drinking water for birds
- Keeping poultry feed secure to ensure there is no contact between the feed/feed ingredients and wild birds or rodents

Even though the statewide stop had been lifted and we have not seen further cases of the disease in Michigan's domestic birds, it is important to take all the necessary precautions if signs of HPAI are present.

- If avian influenza is **suspected in domestic birds**, contact MDARD **immediately** at 800-292-3939 (daytime) or 517-373-0440 (after-hours).

If anyone notices what appears to be unusual or unexplained deaths among wild bird populations, please report these cases to the DNR by:

- [Eyes in the Field app](#). Choose the "Diseased Wildlife" option among the selections for "Observation Forms."
- Calling the DNR Wildlife Disease Laboratory at 517-336-5030

Resources on HPAI

- [May 10 – MDARD's director stops bird exhibitions to protect health of Michigan's domestic flocks](#)
- [USDA APHIS | 2022 Detections of Highly Pathogenic Avian Influenza in Wild Birds](#)
- CDC, Feb 14, 2022: [Recent Bird Flu Infections in U.S. Wild Birds and Poultry Pose a Low Risk to the Public | Avian Influenza \(Flu\) \(cdc.gov\)](#)
- USDA Statistics:
  - [2022 Confirmations of Highly Pathogenic Avian Influenza in Commercial and Backyard Flocks](#)
  - [2022 Detections of Highly Pathogenic Avian Influenza in Wild Birds](#)
- [Additional information for Michigan can be found at www.mi.gov/birdflu](#)

ACHD continues to monitor and share information related to HPAI to alert people who own or work with birds, including poultry, or hunt wild birds to the possibility of infection and the need to take recommended precautions.

## HEAT-RELATED ILLNESSES (HRI)

Heat-related illness occurs when the body cannot effectively acclimate to high temperatures, causing physical illness including cardiovascular and respiratory complications, renal failure, kidney stones, preterm birth and death. As global temperatures warm, HRIs are becoming more common in areas where they have not been as prevalent in the past. During the week of June 13, over one third of the United States population was under [heat advisories](#), including most of Michigan.

[The National Weather Service \(NWS\)](#) issued an excessive heat warning for parts of southern Michigan, from Wednesday, June 15 through Thursday, June 16. The rest of the Lower Peninsula was under a heat advisory during the same time period. Throughout the

Data as of June 21, 2022

lower peninsula, temperatures were near or exceeded 100 degrees Fahrenheit. That, coupled with humidity levels made it feel as high as 110 degrees Fahrenheit in some areas. Counties that were under excessive heat warning include: Berrien, Branch, Cass, Hillsdale, St. Joseph and southeastern counties of Lenawee, Livingston, Macomb, Monroe, Oakland, Washtenaw, and Wayne. On Tuesday, June 14, following a spike in mid-May, 15 additional HRI ED visits were reported to The National Syndromic Surveillance Program (NSSP) from Region 5 facilities. The age group with the most HRI ED visits was 18-44 (40%).

Specific groups of [individuals](#) are more sensitive to the effects of high temperatures and may be at greater risk for heat illness. For more information on how to protect individuals from these vulnerable populations, visit:

<https://www.cdc.gov/disasters/extremeheat/specificgroups.html>

**The CDC has a series of resources related to heat-related illness:**

- [CDC Heat & Health Tracker](#)
- [Protecting Vulnerable Groups from Extreme Heat](#)
- [Tips for Preventing Heat-Related Illness](#)
- [Warning Signs and Symptoms of Heat-Related Illness](#)

**MDHHS HRI Resources and Guidance:**

- [Michigan Heat Awareness and Safety Fact Sheet](#)
- [Michigan Prepares - Extreme Heat](#)
- For those in need of air conditioning, you can apply for State Emergency Relief (SER) by visiting [MI Bridges](#).
- Text or call [Michigan 211](#)
- Use a buddy system - check on a friend or neighbor and have someone do the same for you
- Spend some time at a shopping mall, public library, or other public buildings - even a few hours spent in air conditioning can make a difference

STAYING SAFE IN HIGH TEMPERATURES THROUGHOUT THE SUMMER

**SIGNS OF HEAT-RELATED ILLNESS:**



<p><b>HEAT EXHAUSTION</b></p> <ul style="list-style-type: none"> <li>• Rapid, weak pulse</li> <li>• Nausea or vomiting</li> <li>• Dizziness</li> <li>• Weakness</li> <li>• Fainting</li> <li>• Thirst</li> <li>• Heavy sweating</li> <li>• Elevated body temperature</li> <li>• Decreased urine output</li> <li>• Cool, pale, clammy skin</li> <li>• Muscle Cramps</li> </ul> <p><b>WHAT YOU SHOULD DO:</b></p> <ul style="list-style-type: none"> <li>• Get to a cooler or air-conditioned place</li> <li>• Drink water if fully conscious</li> <li>• Take a cool shower or use a cold compress</li> </ul>	<p><b>HEAT STROKE</b></p> <ul style="list-style-type: none"> <li>• Rapid, strong pulse</li> <li>• Nausea or vomiting</li> <li>• NO sweating</li> <li>• Throbbing headache</li> <li>• Confusion, altered mental status, slurred speech</li> <li>• Loss of consciousness (coma)</li> <li>• Red, hot, dry skin</li> <li>• Seizures</li> <li>• Very high body temperature (above 103 degrees)</li> </ul> <p><b>WHAT YOU SHOULD DO:</b></p> <p><b>CALL 9-1-1 immediately</b></p> <ul style="list-style-type: none"> <li>• Take action to cool the person down until help arrives by moving into a cooler place and applying cold compresses</li> </ul>
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(Information adapted from CDC: [www.cdc.gov/disasters/extremeheat/warnings](https://www.cdc.gov/disasters/extremeheat/warnings))

Last week, on June 14 – June 16, Allegan County and places throughout Michigan were experiencing extreme heat. As the summer is just getting started, ACHD is encouraging residents to take precautions in extremely warm weather to avoid heat-related illness.

Even a short amount of time in extreme heat can lead to heat-related illness. Heat-related illnesses are preventable conditions caused by your body overheating, usually in high temperatures, high humidity, and during strenuous activity. It's important to know the signs of heat-related illnesses, such as heat exhaustion and heat stroke, so you can look out for yourself and others who may have a sensitivity to heat such as the elderly and small children.

If you notice any of the signs of heat-related illness, seek medical assistance immediately and try to cool down yourself or the person overheating.

Tips for beating the heat and protecting yourself, loved ones, and pets include:

- Dressing in loose-fitting, lightweight, light-colored clothing
- Staying hydrated with plenty of water
- Keeping strenuous activity to a minimum during the hottest parts of the day (11 am – 2 pm)
- Staying indoors and in the shade
- Preparing for potential loss of power due to weather and high demand for electricity
- Going to a public location nearby with air conditioning if you do not have air conditioning\*

\*Residents who may have mobility issues may contact the Allegan County Transportation Office at 269-673-4229 and schedule a ride, Monday through Friday 8 am – 4 pm. All fees for transportation to these facilities still apply. Volunteer drivers are available for seniors and veterans by calling 269-686-5164.

For more information and tips on beating the heat and keeping healthy in high temperatures, visit: <https://bit.ly/3mMQhhr>.

## ADENOVIRUS AND ACUTE HEPATITIS

In October 2021, five pediatric patients with hepatitis (inflammation of the liver) of unknown cause were identified in children at a hospital in Alabama. The children had significant liver illness, including liver failure, with no known cause. All five children tested positive for [adenovirus](#), a common virus that typically causes cold- or flu-like symptoms, and more rarely, stomach or intestine problems. An additional review of hospital records later identified four additional patients, all of whom had hepatitis and adenovirus infection.

On May 27, 2022, the [World Health Organization](#) reported at least 650 probable cases of acute pediatric hepatitis with unknown etiology in 33 countries, more than double the amount since April. More than 200 cases have been detected in the U.S. and Puerto Rico (including Michigan). Worldwide, the children's ages range from 1 month to 16 years old; however, more than 75% of cases are among children under 5 years of age. Approximately 6% of cases required transplant and 1% of cases have died.

Adenovirus infection has been seen in about 35% of U.S. pediatric cases of acute hepatitis. On its own, an adenovirus is relatively harmless, but in the presence of a weakened immune system, it can cause severe infection. Investigators are looking into a potential link to COVID-19. Prior COVID-19 infection may have primed the immune systems of these children to being more susceptible to the adenovirus, which has a strong correlation to the hepatitis<sup>16</sup> outbreak. Another contributing factor to consider; social distancing measures enacted during the COVID-19 pandemic may have reduced the population's ability to build up immunity against adenoviruses. Researchers are looking into several theories as they work to determine the actual source(s) of this outbreak.

Symptoms of hepatitis can include jaundice or a yellowing of the skin and/or eyes, dark urine, fever, fatigue, nausea, vomiting and joint pain. Most of the children infected are not eligible for the COVID vaccine, so there is no evidence that it played a role in the spread of this illness. Hand hygiene, respiratory hygiene, and cough etiquette should be followed to reduce spread. Use of disposable gloves when caring for infected patients is recommended.

### Acute Hepatitis Updates:

- As of June 8, 2022, CDC and state partners are investigating 274 children with hepatitis of unknown origin across 39 states and territories which is an increase of 165 from the 109 cases reported on May 5
- More than half of the cases have tested positive for adenovirus.
- More than 90% hospitalized, 9% with liver transplants, and 5 deaths are under investigation
- 90% were hospitalized
- To date, 3 children from east Michigan have been diagnosed with acute hepatitis

The World Health Organization has declared a **moderate** risk level for acute pediatric hepatitis.

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<sup>16</sup> The most common causes of acute hepatitis are the viral hepatitis infections A and E, less commonly hepatitis B and C

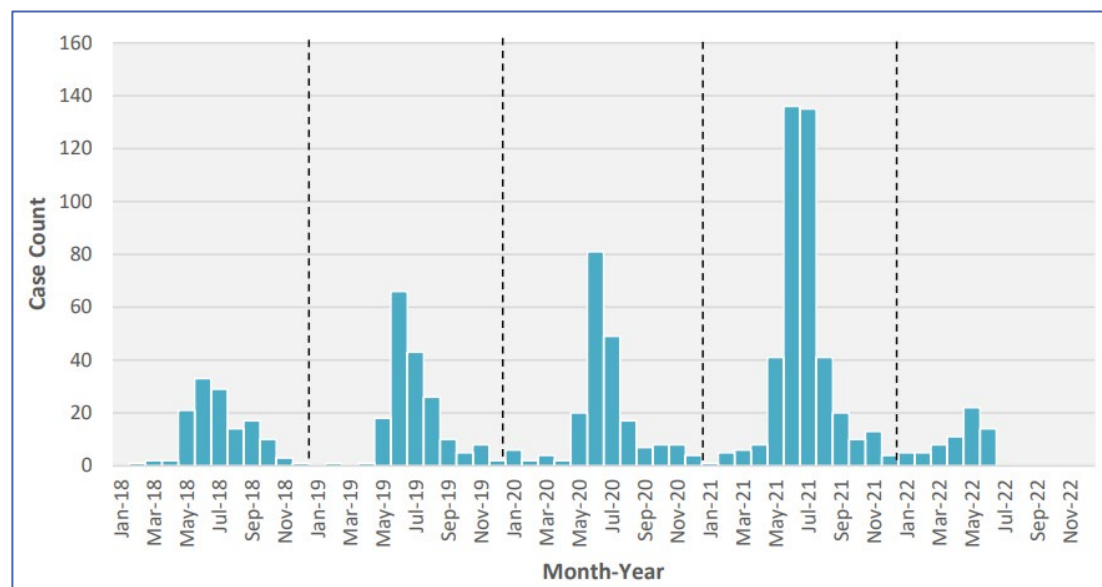
The CDC issued an updated HAN on May 11: [Updated Recommendations for Adenovirus Testing and Reporting of Children with Acute Hepatitis of Unknown Etiology](#). Additional HAN updates will be distributed when more information is available.

## VECTOR-BORNE DISEASES

Vectors are living organisms (ticks, mosquitos, etc.) that can transmit infectious pathogens between humans, or from animals to humans. Many of these vectors are bloodsucking insects, which ingest disease-producing microorganisms during a blood meal from an infected host (human or animal) and later transmit it into a new host, after the pathogen has replicated in their bodies. Once a vector becomes infectious, it is very likely that they will be capable of transmitting the pathogen for the rest of their life during each subsequent bite or blood meal. The World Health Organization reports, vector-borne diseases account for more than 17% of all infectious disease, causing more than 700 000 deaths annually. A warmer climate provides **more geographical area** for vectors to expand their habitats as well as **more time** to reproduce

Over the last five years, vector-borne disease prevalence has increased for Region 5 in Michigan. ACHD continues to monitor vector-borne diseases as we enter the summer months. For more information, visit: [Division of Vector-Borne Diseases \(DVBD\) | Division of Vector-Borne Diseases | NCEZID | CDC](#)

### Five-Year Summary of Vector-Borne Cases for Region 5



On May 25, MDHHS released [updated Guidance](#) for Tick bites

Lyme disease, caused by the bacterium *Borrelia burgdorferi*, is the most common tick-borne disease in Michigan and the US. Tick-borne disease include: Lyme disease, Anaplasmosis, Babesiosis, Ehrlichiosis, Powassan Virus Disease, *Borrelia miyamotoi* Disease, *Borrelia mayonii* Disease, Rocky Mountain Spotted Fever (RMSF), and

Tularemia. In 2021, there were 878 confirmed and probable reported cases of Lyme disease, nearly double the 451 cases reported in 2020. Early symptoms can be non-specific and include fever or chills, rash, headache, fatigue and muscle aches. Early treatment with appropriate antibiotics can decrease the risk of serious complications. Visit [Ticks | Ticks | CDC](#) for more information.



Protect yourself and your family against tick-borne diseases by following these tips:

- Avoid areas where ticks live such as grassy, brushy and wooded spaces
- Use insect repellent
- Perform daily tick checks
- Bathe or shower as soon as possible after coming indoors

Vector-Borne Disease Quick Stats:

- Approximately 476,000 people are diagnosed with Lyme disease in the US each year
- A new vaccine for being evaluated for ages 5+ with availability projected for 2025 now undergoing phase 2 clinical trials in Europe and the US
- After arriving in the New York in 1999, West Nile virus is the leading cause of mosquito-borne illness in the US
- The largest outbreak of West Nile Virus to date was recorded last summer in Arizona
- Singapore is currently experiencing dengue emergency



## RECENT OUTBREAKS RELATED TO FOODBORNE ILLNESS

Foodborne illnesses are caused by consumption of a contaminated food or drink. The CDC has a program called the Foodborne Diseases Outbreak Surveillance System (FDOSS), which aims at collecting and reporting foodborne disease outbreak in the U.S. The information collected via FDOSS provide data around the following key elements of foodborne illnesses:

- Foods associated with outbreaks
- Germs associated with outbreaks
- Where germs contaminate food
- Places outbreaks happen (including where food is prepared and consumed)

An estimation provided by the CDC based on the FDOSS data collection is that approximately **9.4 million individuals develop foodborne illnesses from 31 foodborne germs in the U.S. and 56,000 hospitalizations and 1,350 deaths associated with these illnesses**. A foodborne disease outbreak occurs when an illness is reported in two or more individuals resulting from consuming the same contaminated food or drink. Overall, more than 250 agents are found to cause outbreaks related to foodborne illnesses. For more information on current foodborne outbreaks, visit [FDA: Investigations of Foodborne Illness Outbreaks](#)

The Regional Epidemiologist Update Report released on June 14, 2022 highlighted the following information related to outbreaks caused by food consumption:

### [Salmonella Senftenberg Outbreak Linked to Peanut Butter](#)

- As of June 1, 2022: 14 cases from 12 states (none in Michigan)
- 2 hospitalizations, 0 deaths
- Illness onset date range: Feb 17, 2022 through May 2, 2022
- On May 20, 2022, J.M. Smucker Company recalled [Jif brand peanut butter](#)

### [Hepatitis A Outbreak linked to Strawberries](#)

- The FDA, along with CDC, and state and local partners, is investigating a multistate outbreak of hepatitis A infection in the US linked to fresh organic strawberries.

Data as of June 21, 2022

- As of 6/1/2022: 17 cases from California (15), Minnesota (1), North Dakota (1)
- 12 hospitalizations, 0 deaths
- Potentially contaminated strawberries were imported from Baja California and branded as FreshKampo and HEB; they were purchased between March 5, 2022, and April 25, 2022.

## FOOD SAFETY TIPS FOR THE SUMMER

This summer when shopping for fresh fruits and vegetables at the grocery store and when preparing foods at home, it's important that individuals follow food safety tips to prevent themselves and loved ones from food borne illnesses.

When at the store or market, make sure to:

- Choose produce that isn't bruised or damaged.
- Choose fruits and vegetables that are refrigerated or kept on ice if they are pre-cut.
- Separate fruits and vegetables from raw meat, poultry, and seafood in your shopping cart and grocery bags.

When preparing foods at home, make sure to:

- Wash your hands, kitchen utensils, and food preparation surfaces, including chopping boards and countertops, before and after preparing fruits and vegetables.
- Clean fruits and vegetables before eating, cutting, or cooking, unless the package says the contents have been washed.
  - Wash or scrub fruits and vegetables under running water—even if you do not plan to eat the peel. Germs on the peel or skin can get inside fruits and vegetables when you cut them.
  - Washing fruits and vegetables with soap, detergent, or commercial produce wash is not recommended. Do not use bleach or other disinfecting products on fruits and vegetables.
  - Cut away any damaged or bruised areas before preparing or eating.
  - Dry fruit or vegetables with a clean paper towel.
- Keep fruits and vegetables separate from raw foods that come from animals, such as meat, poultry, and seafood.
- Refrigerate fruits and vegetables within 2 hours after you cut, peel, or cook them (or 1 hour if exposed to temperatures above 90°, like a hot car or picnic). Chill them at 40°F or colder in a clean container.

## FRUIT AND VEGETABLE SAFETY

For more information on fruit and vegetable safety click the image to the left.

**At the Store**



Choose produce that is not bruised or damaged.



Select precut produce that is refrigerated or kept on ice.



Separate produce from raw meat, poultry, and seafood in your shopping cart and grocery bags.



U.S. Department of Health and Human Services  
Centers for Disease Control and Prevention

[www.cdc.gov/foodsafety](http://www.cdc.gov/foodsafety)

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## FORMULA FEEDING TIPS AND RESOURCES

With the recent shortage of baby formula, many parents are trying to find different ways and/or resources to feed their children. It is important while finding outside resources that you consider the safety of some products. According to WIC Michigan, here are some [temporary choices for powder formula](#).

Some tips to keep in mind during this Infant Formula Shortage:

- Buy only the formula needed soon (10-14 days) and avoid stockpiling. This helps other families have access to formula and gives stores time to restock their shelves.
- Talk with your pediatrician and/or other health care provider about substitutes
- Check food pantries, charitable organizations, and with others that may be able to help. Call 211 or your local WIC clinic to learn more about local food pantries.
- If you cannot find formula, you can also call your health care provider. They may have samples or ideas about other local agencies that can help.
- **Do not** buy formula from sources that are not trustworthy, as it may be a scam.
- **Do not** buy or use recalled formula.

### Some formula-feeding tips from the American Academy of Pediatrics:

#### *If you feed your baby formula, make sure to always:*

- Choose a formula product that has been reviewed by and meets FDA minimum nutritional and safety requirements
- Prepare it according to directions on the label, unless you are given different instructions by your pediatrician because of a special medical need your baby has.

#### *What's important NOT to do:*

- Do not make a homemade formula from ingredients at the store, such as powdered cow milk or raw milk and sugar.
- Do not feed your infant under 1 year old cow milk or other milk **substitutes** from the dairy section of the grocery store, such as almond or soy beverages (sometimes labeled as milk).
- Do not use imported formulas from other countries that are not reviewed by the FDA.
- Do not water down formulas by adding more water when mixing powdered formula or adding extra water to ready-to-serve, non-concentrated liquid formula.

For more information about finding formula and the formula shortage visit, [US Department of Health and Human Services: Find Formula During Infant Formula Shortage website](#).

## SOURCES

- Allegan County Health Department Facebook page
- [American Academy of Pediatrics: Hepatitis Cases Possibly Associated with Adenoviral Infection](#)
- [Centers for Disease Control and Prevention](#)
- [CDC COVID-19 Data Tracker](#)
- [CDC COVID-19 Travel Guidance](#)
- [CDC Extreme Heat Safety](#)
- [CDC Frequently Asked COVID-19 Questions for K-12 Settings and ECE](#)
- [CDC Fruit and Vegetable Food Safety](#)
- [CDC Health Alert Network](#)
- [CDC Monkeypox Signs and Symptoms](#)
- [CDC Provisional COVID-19 Deaths: Focus on Ages 0-18 Years](#)
- [CDC Stay Up-to-date on Vaccinations](#)
- [COVID Data Tracker Weekly Review](#)
- [COVID-19 Vaccine Dashboard](#)
- CHN Associates, Student, and Family Assistance Program Monthly Report
- [Division of Vector-Borne Diseases \(DVBD\) | Division of Vector-Borne Diseases | NCEZID | CDC](#)
- [FDA: Investigations of Foodborne Illness Outbreaks](#)
- [Find a COVID-19 Vaccine Near You](#)
- HONU
- [Long Term Care Data](#)
- [MDHHS – Booster Doses available for Children 5-11](#)
- [MDHHS Quarantine and Isolation Guidance](#)
- [MDHHS School Outbreak Reporting](#)
- [MI Bridges](#)
- [MI COVID response Data and Modeling](#)
- [Michigan Coronavirus: COVID-19 Vaccine](#)
- [Michigan COVID-19 Wastewater Testing and SWEEP Dashboard](#)
- [Michigan Coronavirus Data](#)
- Michigan Department of Health and Human Services (MDHHS) Breakthrough Cases Data File
- Michigan Disease Surveillance System (MDSS)
- [Michigan DNR Eyes in the Field](#)

Data as of June 21, 2022


- Michigan Health Alert Network (MIHAN)
- [MI Safe Start Map and CDC Indicators](#)
- [National Weather Service](#)
- [New COVID-19 Cases Worldwide - Johns Hopkins Coronavirus Resource Center \(jhu.edu\)](#)
- [Office of International Health and Biodefense - United States Department of State](#)
- [Our World in Data - Coronavirus \(COVID-19\) Hospitalizations](#)
- [Ticks | Ticks | CDC](#)
- [US Food and Drug Administration](#)
- [US Department of Health and Human Services: Find Formula During Infant Formula Shortage website](#)
- [Vaccinate West Michigan](#)
- [Vector-borne diseases \(who.int\)](#)
- [VRBAC June 15, 2022 Meeting Presentation: Under 5 Vaccinations](#)
- [World Health Organization Coronavirus Dashboard](#)
- [WHO: Weekly epidemiological update on COVID-19 - 15 June 2022](#)
- [WIC temporary choices for powder formula](#)
- [Your Local Epidemiologist: FDA Meeting for <5 COVID Vaccine: Q&A](#)
- [Your Local Epidemiologist: Long COVID Mini Series: Kids](#)
- [Your Local Epidemiologist: COVID-19 Vaccine For Kids <5](#)




APPENDICES

## Allegan County COVID-19 Community Level: LOW

**Allegan County Health Department recommends everyone to:**




**Stay up to date on your COVID-19 Vaccines**



**Get tested if you have symptoms, before and after traveling, and before gathering with others.**

Actions including social distancing, frequent handwashing, wearing a well-fitted face mask, and isolation/quarantine help lessen the level of transmission. People may choose to mask at any time.

People with symptoms, a positive test, or exposure to someone with COVID-19 should wear a mask.



Learn more about CDC's COVID-19 Community Levels by visiting [www.covid.cdc.gov](http://www.covid.cdc.gov)

**#DoYourPart**

## Allegan County COVID-19 Community Level: LOW

### Pick-up Free Masks

- Monday-Friday 8:30am to 4:30pm at the Allegan County Health Department (3255 122nd Ave, Allegan)
- At select local units of government and libraries.
  - Visit [allegancounty.org/covid](http://allegancounty.org/covid) to view the list of agencies under our Mask Information page.


### Get Tested:

- Order free at-home test kits online at:
  - [www.covidtests.gov](http://www.covidtests.gov)
  - [www.accesscovidtests.org](http://www.accesscovidtests.org)
- Pick-up test kits locally:
  - Visit [www.allegancounty.org/covid](http://www.allegancounty.org/covid) to view pick-up locations under our Testing page.
- Find a community testing site near you at:
  - Allegan County Transportation Building (750 Airway Dr, Allegan) on Wednesdays and Fridays from 12 pm to 5 pm.
  - Visit [www.solvehealth.com](http://www.solvehealth.com) for more locations near you.

### Find COVID-19 Treatments

- Find information and options near you: [michigan.gov/covid19therapy](http://michigan.gov/covid19therapy)
- View a test to treat location near you: [aspr.hhs.gov/TestToTreat](http://aspr.hhs.gov/TestToTreat)
- Talk to your doctor about treatment options if you test positive for COVID-19.

Follow CDC's isolation and quarantine guidelines and stay home if you develop symptoms or test positive.



**#DoYourPart**

### Stay up-to-date on COVID-19 Vaccines

- Find vaccine clinics near you at:
  - [vaccinatewestmi.com](http://vaccinatewestmi.com)
  - [vaccines.gov](http://vaccines.gov)
- Or call ACHD at 269-673-5411 to schedule an appointment



# COVID-19 VACCINE FOR KIDS <5

## Top 6 parental concerns answered

June 2022

- For children **under 5 years old**, parents have two options for a COVID-19 vaccine:
  - **Moderna:** 2-dose series taken 4 weeks apart. Each dose is 25 µg, which is 1/4 the dosage of the adult vaccine.
  - **Pfizer:** 3-dose series. Dose 2 is 3 weeks after Dose 1. Dose 3 is 8 weeks after Dose 2. Each dose is 3 µg.

### The vaccines are effective

- Moderna's** clinical trial included 6,300 children.
- Antibodies after Dose 2 were the same or exceeded those in adults.
  - Efficacy against infection was 51% for 6–23 month olds and 37% for 2–5 year olds.
    - Efficacy was consistent with vaccine effectiveness for adults during Omicron.
    - A booster will likely be needed. Studies are underway and results are expected at end of summer.
- Pfizer's** clinical trial included 1,400 children.
- Antibodies after Dose 3 exceeded adults.
  - Efficacy against infection after Dose 3 was 75% for 6–23 month olds and 82% for 2-4 year olds.
    - There were extremely few cases during the trial, so there is significant uncertainty around these efficacy numbers.
  - Note: Efficacy for these two vaccines cannot be directly compared due to varying length of follow-up, months the study was conducted (and thus, circulating virus), and different number of doses.
  - Vaccines can prevent infection and transmission, especially in the first few months. Unfortunately, as the virus continues to mutate, this timeline can be shortened. The **vaccines' primary purpose is to prevent severe disease and death.** Both vaccines are expected to decrease hospitalizations and ICU stays among this age group.

### The vaccines are safe

- During both clinical trials:
- Temporary pain at injection site was common.
  - Fevers were more common after vaccine than placebo.
  - Fatigue and headache was most common in children ages 2–5 years; irritability and sleepiness was more common in children ages 6–23 months.
  - Side effects were more common with Moderna compared to Pfizer.
  - Serious adverse events were rare. No deaths occurred.
    - A child in each trial had a high fever which led to seizure or hospitalization.

### Myocarditis is rare

- Myocarditis (heart inflammation) has been linked to mRNA vaccines in *adolescents*, but remains rare. Risk of myocarditis after mRNA COVID-19 vaccination, if any, in young children is unknown.
- No cases of myocarditis were reported in clinical trials. But the clinical trials were not large enough to capture such rare events.
  - Based on the epidemiology of classic myocarditis and safety monitoring in children ages 5–11 years, myocarditis after mRNA COVID-19 vaccination in young children is expected to be rare due to smaller doses and myocarditis being fundamentally different in young children.
  - Kids can get myocarditis from the virus, and it can be more severe.

### There is a need

- COVID-19 disease in kids can range from asymptomatic to severe illness.
- The majority of children have mild-to-moderate disease.
  - COVID-19 can cause severe disease, even among healthy children.
  - **Deaths:** Since 2020, 442 children aged 0–4 years old have died from COVID-19. While this is lower than adults, COVID-19 is a top 10 leading cause of death for kids.
  - **Hospitalizations:** During the first Omicron wave, COVID-19 hospitalization among kids under 5 were higher than for any other child age group.
    - 86% of hospitalizations were *for* COVID-19 (as opposed to *with* COVID-19)
    - Hospitalizations passed previous flu peaks and previous COVID-19 peaks.
    - Of toddlers hospitalized for COVID-19, 1 in 4 went to the ICU.
    - 30–50% of hospitalized children had **no** underlying medical condition
  - Long COVID-19 occurs among kids. Vaccines reduce the risk of long COVID-19.

### Previously recovered still need the vaccine

- As of February 2022, 75% of children had been infected with SARS-CoV-2 in the U.S.
- Getting a vaccine, even for people who have already recovered from COVID-19, strengthens their immune response. CDC states vaccinations **can** be delayed up to 3 months after infection.
  - Protection from infections can be effective, but a recent study showed some children *failed* to make antibodies after infection (the immune system's first line of defense) and had mediocre T-cell responses (the immune system's second line of defense).
  - Reinfection should be expected. SARS-CoV-2 is changing quickly.
  - Omicron infections do not elicit antibodies against *other* variants of concern. While Omicron may be the dominant variant right now, this could change in the future.

### Long-term side effects, like infertility, are highly unlikely

- We do not know the long-term effects of mRNA COVID19 vaccines. However, based on our knowledge of mRNA and the human body, we do not expect them:
- It's biologically impossible for mRNA to alter DNA.
  - Previous research on other mRNA vaccines show no long term effects. mRNA research started in 1961. The first clinical trial with mRNA was in 2001.
  - Vaccine ingredients are cleared from the body very quickly. mRNA is very fragile and degrades within 72 hours of injection. Fat bubbles that carry the mRNA degrade within 4 days. Ingredients do not linger in the body.
  - mRNA vaccines are not made of the actual pathogen. This means that they don't contain weakened, dead, or noninfectious parts of a virus.
  - In the history of vaccines, serious adverse side effects only occur within the first 2 months of rollout. We have more than 24 months of vaccine follow-up data by now.
  - Thousands of people have gotten pregnant after vaccination.
  - There are reports that menstrual cycles change after a COVID19 vaccine. The body is mounting an immune response, and this is likely a temporary side effect, like a fever.

FREE AT-HOME TEST KITS TO ORDER ONLINE:

- [www.Covidtests.gov](http://www.Covidtests.gov) - order 3 sets of 4 free at-home test kits from the federal government. (If you already ordered your first set, order a second or third today)
  - If you have health insurance through an employer or Marketplace, your insurance will pay you back for 8 at-home tests each month for each person on your plan. View more information [here](#).
- [www.AccessCovidtests.org](http://www.AccessCovidtests.org) - order free at-home test kits through Project ACT (enter zip code to check eligibility)

FREE AT-HOME TEST KITS FROM MDHHS AVAILABLE AT 2 LIBRARIES IN ALLEGAN COUNTY:


- Allegan District Library (331 Hubbard St, Allegan)
- Fennville District Library (400 W Main St, Fennville)

FREE COMMUNITY TESTING EVENTS ARE HELD EVERY WEDNESDAY AND FRIDAY AT THE ALLEGAN COUNTY TRANSPORTATION BUILDING FROM 12 PM – 5 PM. THESE EVENTS OFFER PCR AND RAPID TESTING OPTIONS.


VISIT THE [MDHHS COMMUNITY BASED POP-UP TESTING PAGE](#) TO SIGN UP FOR THE TESTING EVENTS AT ALLEGAN TRANSPORTATION BUILDING AND TO FIND OTHER TESTING SITES NEAR YOU.

Visit <https://www.solvehealth.com/covid-testing> to find additional COVID-19 sites near you.

COVID-19 testing location finder: [Coronavirus - Test](#)

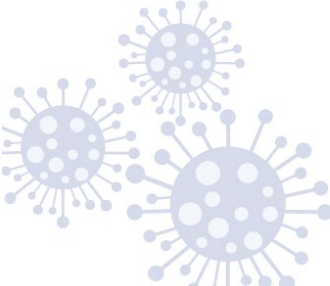


HEALTH  
Department



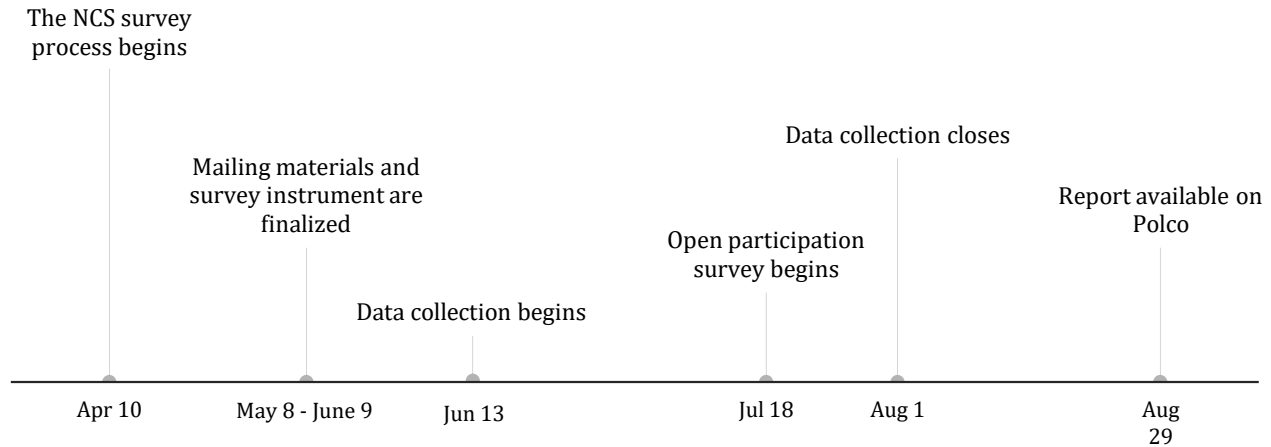
# COVID-19 BOOSTERS AVAILABLE FOR AGES 5-11

VACCINES ARE AVAILABLE AT ACHD BY APPOINTMENT ONLY. CALL 269-673-5411 TO SCHEDULE AN APPOINTMENT!



**TO FIND OTHER VACCINATION LOCATIONS NEAR YOU VISIT:**  
[VACCINATEWESTMI.COM](http://VACCINATEWESTMI.COM) &  
[VACCINES.GOV](http://VACCINES.GOV)


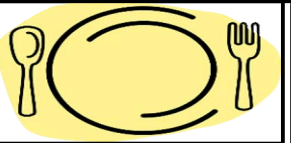


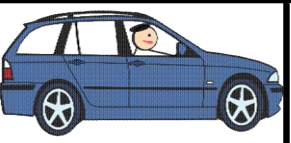

## Timeline for The National Community Survey™



Item	Date
<b>Preparing for the Survey</b>	
Program Manager sends The NCS instrument for review	Apr 10
Send Program Manager drafts of <b>optional</b> custom questions to add to the survey	Apr 17
Mailing materials and survey instrument are finalized	May 8
Program Manager generates sample of representative households in your community	May 8
Polco prints materials, prepare mailings and sets up the survey online	May 8 to Jun 13
<b>Conducting the Survey</b>	
Data collection is open for The NCS - track response on Polco!	Jun 13 to Aug 1
Invitation postcards sent	Jun 13
Wave 1 survey invitations with paper survey sent	Jun 20
Open participation survey begins (Program Manager will provide link)	Jul 18
Data collection closes for the random sample survey and open participation survey	Aug 1
Send Program Manager final count of returned postcards	Aug 1
Survey analysis and report writing	Aug 1 to Aug 29
Program Manager provides link to report on Polco	Aug 29
<b>After the Survey</b>	
After your community has completed The NCS, stay engaged with your community members by posting additional surveys and polls on Polco!	



## ATTACHMENT C - FINANCIAL REPORT

											
<b>ADC</b>		<b>HDM</b>		<b>HOME SPTS</b>		<b>PERS</b>		<b>TRANSP</b>		<b>ADMIN COSTS</b>	
APR	YTD	APR	YTD	APR	YTD	APR	YTD	APR	YTD	APR	YTD
<b>CUSTOMERS</b>		<b>CUSTOMERS</b>		<b>CUSTOMERS</b>		<b>CUSTOMERS</b>		<b>CUSTOMERS</b>		<b>COMPENSATION</b>	
14	20	321	376	383	421	699	738	81	87	\$14,516	\$70,112
<b>UNITS</b>		<b>UNITS</b>		<b>UNITS</b>		<b>UNITS</b>		<b>UNITS</b>		<b>OPERATIONS</b>	
716	2,237	7,103	28,211	3,006	12,188	705	2090	6,663	28,645	\$5,763	\$23,644
<b>UNITS PLANNED - 29,255</b>		<b>UNITS PLANNED 102,334</b>		<b>UNITS PLANNED - 53,496</b>		<b>UNITS PLANNED - 7015</b>		<b>UNITS PLANNED</b>		<b>TRAVEL, SUPPLIES, EQUIP. ADVERTISING, PRINTING, ETC.</b>	
2,438	9,752	8,528	34,111	4,458	17,832	612	1,837	8,939	26,818		
<b>COSTS</b>		<b>COSTS</b>		<b>COSTS</b>		<b>COSTS</b>		<b>COSTS</b>		<b>INDIRECT COSTS</b>	
\$5,907	\$18,455	53,344	\$211,865	\$105,219	\$426,571	\$14,052	\$41,655	\$14,489	\$73,508	\$5,084	\$20,338
<b>PLANNED COSTS</b>		<b>PLANNED COSTS</b>		<b>PLANNED COSTS</b>		<b>PLANNED COSTS</b>		<b>PLANNED COSTS</b>		<b>TOTAL ADMIN COSTS</b>	
\$20,113	\$80,450	\$60,718	\$242,872	\$121,793	\$487,172	\$12,860	\$38,580.25	\$14,405	\$43,214.75	\$25,363	\$91,105
<b>BUDGETED AVAILABLE</b>		<b>BUDGETED AVAILABLE</b>		<b>BUDGETED AVAILABLE</b>		<b>BUDGETED AVAILABLE</b>		<b>BUDGETED AVAILABLE</b>		<b>BUDGETED AVAILABLE</b>	
\$241,351	\$222,896	\$728,621	\$516,756	\$1,461,517	\$1,034,946	\$154,321	\$112,666	\$172,859	\$99,351	\$ 438,490	\$ 347,385
<b>8% OF TOTAL BUDGET</b>		<b>23% OF TOTAL BUDGET</b>		<b>46% OF TOTAL BUDGET</b>		<b>5% OF TOTAL BUDGET</b>		<b>5% OF TOTAL BUDGET</b>		<b>14% OF TOTAL BUDGET</b>	

## 2022 BUDGET STATUS


<b>REVENUE</b>		<b>EXPENDITURES</b>			
REVENUE BUDGETED	REVENUE COLLECTED	EXPENDITURE BUDGET		EXPENDITURES USED	
2022	APR	YTD	2022	APR	YTD
\$2,840,030	\$127,229	\$2,599,468	\$3,197,159	\$254,249	\$694,812
<b>PLANNED USE OF FUND BALANCE</b>					
2022 BEGINNING FUND BALANCE: \$1,200,000		2022 FB BUDGETED SPENDOWN \$357,129			
10% BEST PRACTICE RESERVE \$319,716		UNBUDGETED UNIT INCREASE (HDM) \$39,910			
AVAILABLE TO SUPPORT OPERATIONS \$880,284		UNBUDGETED UNIT INCREASE(INHOME) \$410,851			
<b>TOTAL FB PLANNED TO USE IN 2022: \$807,890</b>					
<b>PLANNED REMAINING FUND BALANCE AT END OF 2022: \$72,394</b>					

### OTHER IMPORTANT METRICS

<b>IN HOME WAIT LIST</b>		<b>ADD'L TRANSP INFO</b>	
12/31/21	CURRENT	<b>VOLUNTEER TRIPS</b>	
<b>69</b>	<b>35</b>	APR	YTD
<b>LONGEST WAIT</b>		165	530
<b>3/2/2022</b>		<b>BUS TRIPS</b>	
		APR	YTD
		264	630
		<b>UNMET RIDES</b>	
		APR	YTD
		<b>1</b>	<b>2</b>



# MARKETING REPORT

MARKETING EFFORTS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL YTD
TV COMMERCIAL		16,626	36,033	46,527									99186
RADIO COMMERCIAL		50	67	111									228
DIGITAL RADIO (SPOTIFY)		2,648	10,922	NA									13570
MAILER		6,472	NA	NA									6472
BILLBOARD (IMPRESSIONS)*		550,460	299,924	299,924									1150308
SOCIAL MEDIA		1,931	11,276	4,737									17944
PRINT AD		2	2	2									6
CLIENT RESPONSE TO REFERRAL QUESTION: "WHERE DID YOU HEAR ABOUT THESE SERVICES?"													
BROCHURE		3	16	2	1								22
WEBSITE		16	13	13	6								48
TV COMMERCIAL		0	2	2	0								4
CARD IN MAIL		6	23	3	0								32
BILLBOARD		1	0	0	0								1
SOCIAL MEDIA		2	5	1	2								10
PRINT AD		0	4	1	0								5
HEALTH CARE REFERRAL			40	28	37								
HOSPICE REFERRAL			5	5	6								
FAMILY OR FRIEND			15	27	19								
OTHER		53	11	26	13								103
<b>MONTHLY TOTAL</b>		<b>81</b>	<b>134</b>	<b>108</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
NEW REFFERALS													
ADULT DAY CARE	3	6	4	9	0	0	0	0	0	0	0	0	22
HOME DELIVERED MEALS	20	20	24	16	0	0	0	0	0	0	0	0	80
ESSENTIAL IN HOME SUPPORTS	18	12	33	25	0	0	0	0	0	0	0	0	88
PERS	28	27	26	27	0	0	0	0	0	0	0	0	108
TRANSPORTATION	11	11	4	8	0	0	0	0	0	0	0	0	34
<b>MONTHLY TOTAL</b>	<b>80</b>	<b>76</b>	<b>91</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
CONTRACT STATUS													
INVOICES SUBMITTED - 2021												\$16,300	\$16,300
INVOICES SUBMITTED - 2022	\$12,000	\$5,515	\$5,575	\$5,534	\$4,934								\$33,558
*Impression are the number of vehicles that passed by the billboard										<b>TOTAL COST TO DATE: \$49,858</b> <b>CONTRACT AMOUNT: \$95,000</b> <b>AVAILABLE TO COMPLETE PROJECT: \$45,142</b>			
ATTCHMT C, PG 2 OF 2													

# COVID-19 RESPONSE AFTER-ACTION AND IMPROVEMENT PLAN



HEALTH  
Department

## Why was this Improvement Plan created? What is it?

This Improvement Plan was developed specifically for Allegan County as a result of the COVID-19 Pandemic Response conducted from January 1, 2020 to June 30, 2022. This plan was created using feedback from the Allegan County After Action Survey and After Action focus groups to:

- Identify the main priority issues that were raised during the COVID-19 response,
- Develop implementation strategies for corrective action of these issues, and
- Establish accountability to ensure measurable improvements.

In addition to the general benefits of developing improvement plans, the County is required under Public Health Emergency Preparedness (PHEP) to conduct an After-Action Report and develop an Improvement Plan.

## What will this Improvement Plan accomplish?

The goal of this Improvement Plan is to establish the prioritized Public Health Emergency Preparedness and Response Capabilities identified for improvement from the COVID-19 Response over the last two years, provide a plan/timeline for making the corrective actions identified in relation to these capabilities, to then improve future public health emergency responses in Allegan County.

### Public Health Emergency Preparedness and Response Capabilities:

Community Preparedness	Community Recovery	Emergency operations Coordination	Emergency Public Information and Warning	Fatality Management
Information Sharing	Mass Care	Medical Countermeasure Dispensing and Administration	Medical Material Management and Distribution	Medical Surge
Non-pharmaceutical Interventions	Public Health Laboratory Testing	Public Health Surveillance and Epidemiological Investigation	Responder Safety Health	Volunteer Management

Read more information on the definitions of these capabilities from the CDC (<https://bit.ly/2tHtkR5>).

Capabilities  
Identified for  
Improvement  
for ACHD:





# Corrective Actions to take:

**\*\*contingent on adequate funding and resources\*\***

## Timeframe:

### Information Sharing

1. Submit drafted ACHD Communication Plan to Allegan County Administration for review and approval.
2. Expand on local public health information channels to get timely, urgent communication out to the masses. Enhance the use of current technology to create efficiencies.  
Attend Local Health Department (LHD) Public Information Officer (PIO) meetings.
3. Include the communications/information sharing section on the Whole Community Inclusion Plan.

August 2022 -  
December 2022

2023/2024;  
Attend meetings as  
scheduled by PIO  
Network Chair

August 2022 -  
June 2023

### Emergency Operations Coordination

1. Improve the current inventory management process for cache items, including PPE, testing kits, and other public health emergency preparedness supplies, to align with Allegan County Emergency Management inventory management.
2. 2.1 Share upcoming formal FEMA Public Information Officer (PIO) trainings for PIO's or other representatives apart of the Joint Information Center with Emergency Management and County Administration.  
2.2 Recommend a policy requirement for all PIOs or others who sit in Incident Command Structures (ICS) to complete formal FEMA trainings related to their position in ICS.
3. Develop local position descriptions for the Joint Information Center, including rumor control, social media scanner, and content creator.

January 2023 -  
December 2024

September 2022 -  
Ongoing

October 2023 -  
June 2024

### Public Health Surveillance and Epidemiological Investigation

1. Create a position description for ACHD Personal Health Coordinator.
2. 2.1 Research infrastructure and use of current technologies for outbreak management.  
2.2 Explore efficiency with Qualtrics and data management/information sharing with businesses and LTCF and recommendation to the Michigan Department of Health and Human Services to consider the integration of data with the Michigan Disease Surveillance System (MDSS).
3. Work with employers to establish workflows where case investigation could be assigned to an institution such as a private business or a school to expedite notification to potentially exposed individuals and decrease transmission of the disease/outbreaks (also recognizing that not all institutions will have the resources to support this).
4. Draft a templated plan for managing communicable diseases that schools and businesses can adapt for their organization.

June 2022 -  
July 2022


2023

August 2022-  
December 2023

July 2022 -  
December 2022



ALLEGAN COUNTY HEALTH DEPARTMENT



# COVID-19 RESPONSE COMMUNITY AFTER- ACTION SURVEY REPORT

JUNE 2022



**HEALTH**  
Department

# AFTER ACTION REPORT

# Executive Summary

Allegan County Health Department (ACHD) conducted an "After-Action" survey and two focus group sessions to gather feedback surrounding the COVID-19 pandemic that will help improve future public emergency response protocols in Allegan County.

**58 SURVEY QUESTIONS**  
+ sections to write areas for improvement

**Distributed to:**  
29,000+ email subscribers, ACHD social media channels, EOC Annexes through Emergency Manager

**371 total survey responses, of which, 66.4% were community members**

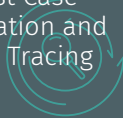


## 6 MAIN EVALUATION AREAS

Enhanced Ability to Test



Robust Case Investigation and Contact Tracing



Sufficient Health Care Capacity



Best Practices for Organizations



Community Vaccination, Treatment, and/or Herd Immunity



Emergency Operations Center (EOC)



## SURVEY HIGHLIGHTS

- 57.1% of participant agencies understood the local public health guidance actions that were necessary to protect the public



- 68.7% of survey participants agreed that there was access to testing.



- 71% of survey participants agreed that different sectors providing support were helpful in this pandemic response



- 72.9% of survey participants agreed vaccine was accessible within 20 minutes from their house



- Case investigation and contact tracing were very split among participants, some had great experiences some never received calls.



- 81% of participants reported feelings of isolation and sadness during the pandemic.



Focus Groups were split into 2 sessions:  
Emergency Operations Committee (EOC) and Community Members

## FOCUS GROUPS

**EOC MEETING**  
8 attended

Both meetings suggested having a stockpile of PPE readily available

### FEEDBACK

- Quarterly MICIMS trainings
- Combined contact tracing practices
- COOPs, COGs, and COBs written before a future hazard

### FEEDBACK

- More frequent communications sent surrounding COVID-19 variables
- Hold quarterly Community Council meetings
- Closer vaccine locations necessary

**COMMUNITY MEETING**  
3 attended



## 3 MAJOR PRIORITIES

Information sharing



Public Health Surveillance and Epidemiological Investigation



Emergency Operations Coordination



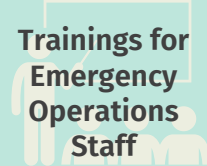
## NEXT STEPS

Strengthen these areas:

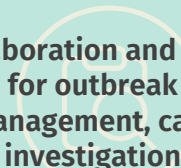
Communication channels for public health emergencies



Trainings for Emergency Operations Staff



Collaboration and tools for outbreak management, case investigation



## Background:

An “After-Action” survey is a tool to collect information from community members along with key community stakeholders to capture a broad understanding of how our community viewed the Allegan County response to the COVID-19 pandemic. An After Action Report (AAR) and Improvement Plan are standard practices after all emergency preparedness exercises, drills, tabletops, and full scale events. An AAR provides analysis for lessons learned, best practices and recommendations for future planning, training, and exercise development.

The ACHD conducted the “After-Action” survey related to the COVID-19 pandemic response in Allegan County throughout the four phases.

- Phase 1: March 2020-September 2020- Michigan’s Stay Home, Stay Safe Order, mask orders across the state
- Phase 2: October 2020-April 2021- Fall surge of cases, vaccine deployment based upon prioritized groups (age profession, high risk for server disease)
- Phase 3: May 2021-November 2021- Vaccine became widely available and all individuals ages 5 and older could get a COVID-19 vaccine. Allegan County Health Department had a local public health order in place for a mask requirement in K-6 grade educational settings
- Phase 4: December 2021-Present day- Omicron surge, to entering a post-surge recovery where many mitigation strategies have lightened

The goal of this survey was to gain feedback to guide and improve the work of future public health emergency responses. The survey was distributed to key community stakeholders along with community members to help the ACHD better understand how everyone felt throughout the four phases. As the pandemic has reached across multiple years, it’s important to see how the ACHD has performed in each individual phase, along with as a whole.

A question was listed in the After Action Survey asking the participants if they would want to participate in an additional focus group.

Two focus groups were held in order to allow participants to further elaborate on their feelings and thoughts on the pandemic, and how all four phases were handled.

## Methods:

Four key questions were used to guide the question-making process.

- What was expected to happen?
- What actually occurred?
- What went well and why?
- What can be improved and how?

Using these four questions as a baseline along with research of other action surveys (Ex. [Public Health Emergency Exercise Toolkit](#)) allowed the ACHD to create a set of 58 questions. The questions were formed using the goals stated in the incident action plan and then Likert scales

were used to develop the questions and responses. The questions included specific sections directed at areas of outbreak coordination that included: General COVID-19 questions, Ability to test, Case Investigation/Contact Tracing, Sufficient Health Care Capacity, Best Practices for Organizations, Vaccine Immunity/Treatment/ and Herd Immunity, Emergency Operations, and Focus Group. For many of the questions if the participants selected “Disagree” or Strongly Disagree” they would be directed to suggest improvements that could be made in that area.

The survey was distributed to our community leaders and stakeholders along with the Allegan County Emergency Operations Center annexes. It was distributed in our monthly email newsletter that was distributed to 28,000+ individuals and was also promoted on our social media channels. The survey was able to capture 371 total responses, of these responses, 60% (66.4% if you include other options ex. teachers) were community members.

Two focus groups were conducted with those who selected that they would be willing to participate in a further focus group in the After Action Survey. The meetings were both held virtually and in-person (hybrid) with one meeting held for the Emergency Operations Committee (EOC) members and the other for community members. Each meeting lasted approximately one and a half hours. In total, the EOC meeting had eight attendees, and the community members meeting had three. The Public Health Planning and Preparedness Manager and two CDC Foundation Health Educators facilitated the two meetings. The meetings had primary focuses in testing, contact tracing and case investigation, health care capacity, best practices, vaccines/treatment/herd immunity, and data/prioritization (EOC only).

## Summary of Results:

The After-Action survey covered a broad spectrum of topics and we were able to glean a lot of valuable information from all those who participated. While reviewing the responses we identified two major areas: areas of strength, and areas of improvement.

### Accessibility to Information

The area with the most related questions and responses was information, which was an area of improvement for the county. Many of the questions had something to do with information or data provided to the public. Reviewing the responses, the amount of information, the quality of information, and the trust of information were split among the respondents. Many trusted the health department and followed the guidelines given, while others did not believe, or did not trust the information that was given. One question asked if the data provided was helpful for decision-making, with 49.5% agreeing or strongly agreeing (A/SA) and 41.3% disagreeing or strongly disagreeing (D/SD). When asked if public health orders were clear and supported by data 48.3% A/SA, and 47.8% D/SD. These are both areas that in the future; the ACHD can improve, by transparently posting all sources along with using easy-to-navigate information..

When asked if education material and social media posts from local organizations were useful during the different stages of the pandemic, 45.5% selected mostly or always (M/A), with 42.2% saying not at all or sometimes (N/S). Asking if data and modeling were helpful in advanced planning efforts and decision making 47.3% M/A, and 40.8% N/S. Again, using more streamlined and easy-to-understand information could be beneficial in the future, and allowing



the public to see where and how the ACHD had received its data. Some had more defined thoughts such as when asked if they/their agency was provided with public health guidance 66.1% selected M/A. In addition, the ACHD COVID-19 updates provided the information/people I know/my agency needed for decision-making, 58% responded M/A.

When discussing information sharing during focus groups, community members voiced that the health department website was not easy to navigate, did not always have timely and updated information available, and no clear information on where to get booster doses within the community.

### Data and Sources

The consensus was that the public would like additional data, streamlined data, and more transparent data, such as, where sources come from, and how the ACHD came to findings or conclusions. As a local health department, ACHD is given access to a multitude of data sources, and are given vast amounts of data and information. Many comments believed some of the ACHD information was “pushed” from higher-up sources. ACHD gathered information from the CDC, MDHHS, and other state and federal sources due to their reliability, credibility, and relevance to the pandemic response. Other sources came from research articles, as this was a rapidly evolving incident.

### Public Health Orders

Public health orders and agency orders were an area of success across all four phases. 57.1% of participant agencies understood the local public health guidance actions that were necessary to protect the public. 70.8% of agencies deployed a continuity of operations plan (COOP), 75% defined essential staff, and the incident command system was followed by 50.7% of agencies. Participants also responded that the different sections working together were helpful in the pandemic response (71%). In addition, the majority of participants agreed that public health goals, objectives, and strategies were communicated clearly (73.2%) and that most agencies were able to access governmental services (63%).

### Mental Health

Mental health was also an area of issue throughout the pandemic. 81% of survey participants had or knew someone that had feelings of isolation and sadness during the pandemic. Mental health, and mental health resources was listed multiple times as to what one thing the participants wished they could have access to or more information on during the response. Many comments suggested more phone/video chat options. Mental health/substance abuse and primary care providers in the area are two areas that were identified as priority needs in Allegan County during the Community Health Needs Assessment process. These are two areas community stakeholders are working on creating local strategies to work on over the next three years.

### Access to Testing and Vaccine

An area of strength for the ACHD was the effectiveness and access to testing and vaccine services. 68.7% of participants A/SA that testing was accessible in Allegan County, 72.9% of participants A/SA that the vaccine was accessible for them or their agency. Also 55.8% of participants selected that the community vaccine clinics were efficient M/A (33.1% were not



sure/did not apply). Comments did suggest that in Phase One the clinics did run slow, which with the size and scope of the unforeseen size of the pandemic was reasonable, and respondents did comment that by Phase Two were running smoothly and efficiently. During the community focus group, community members mentioned that while clinics were placed throughout the county, they had to drive quite a distance to get their vaccine doses in the early stages of deployment.

#### Contact Tracing and Case Investigation

Contact tracing was also split among the comments received. Many believed that more personnel were needed to effectively contact trace, and there were multiple comments on calls coming too late and coming inconsistently. 25.8% thought cases were investigated in a timely manner, with another 25.8% thinking the opposite. Another question found that 40.6% of respondents A/SA that close contacts were notified to quarantine, with only 22.0% D/SD. Many other respondents commented that they knew of many situations where the contact was not helpful, nor receptive to the calls leading to a prolonged process, and getting the tracer behind.

Contact tracing and case investigation were discussed in both focus groups. The EOC focus group mentioned that contact tracing efforts between businesses and the local health department could be combined to improve efficiencies, quicker notification of potentially exposed individuals, and decrease the transmission level of disease/outbreaks. The community focus group mentioned that contact tracing efforts were strong and effective throughout the pandemic but mentioned that when COVID-19 funding was removed, their confidence in ACHD's ability to provide timely case investigation was impacted negatively.

#### Delay of Care (non-emergent medical, dental, and mental health appointments)

An area that ACHD does not have a heavy influence on, but was identified as an area to improve was the delay and postponement of appointments. Across the county throughout each phase, many medical, dental, and mental health appointments were either postponed or canceled. 65.7% of respondents selected that they or someone they knew had delayed getting care because of the pandemic. While not something the health department can fix, the ACHD can relay how the community felt throughout the pandemic and look for clearer guidelines for future issues. 58.5% of respondents had non-emergent scheduled procedures rescheduled or postponed because of the pandemic. Comments suggested that they wish that these offices had been more direct as to what qualified for delayed care. A few comments mentioned that cancer screenings got pushed back, and some ended up with positive cancer diagnoses, which could have been caught sooner. Again, setting a standard of care that details what care is considered non-essential and making it public could be helpful in keeping the public more informed.

#### Personal Protective Equipment (PPE)

Another area of strength was the availability of materials throughout all four phases. 60.9% of respondents agreed that they or their agency had sufficient resources to meet basic needs. 71.2% of respondents also A/SA that PPE was widely available to their agency. The consensus was that public health materials seemed to be available, and individuals and agencies knew where to receive them.

## Limitations:

The “After-Action” survey was able to be provided to a large variety of participants across the county through convenience sampling. Results from this survey are not representative of the Allegan County population. There were a few limitations when reviewing the data, which could have led to more feedback and more accurate results. A limitation of the survey was that most of the questions allowed respondents who answered certain selections to input improvement suggestions if they had any. The improvement section should have been open to all who participated. Even if a participant felt positive about an area or service, they may have had ideas to further improve a good service or area. Another limitation was that comments for each question were listed as an additional answer to each question. On certain questions, participants were able to choose more than one response, but it seemed as though most only made one selection. Again, it could have been helpful to receive comments from all participants and not just those who made that selection. The final limitation was the lack of proper comments and improvements given throughout the survey. While we accept all comments and criticism, many of the comments or improvements listed were off-topic or did not pertain to the question asked.

## Conclusion:

Overall, the survey was able to collect a lot of valuable responses and information from the participants. There were many areas of improvement to be made, along with areas of strength to build off. With any pandemic response, there is always a sense of urgency, however, being able to evaluate how ACHD and Allegan County did, as a whole, over the course of the four phases, will help with creating a better experience if/when another outbreak should arise. Using strength areas such as public health orders, testing and vaccine services, and availability of materials, the ACHD can use the responses to take what was done well and implement them into the areas of improvement. As for the areas of improvement, they will be discussed to see if they are improvements, the ACHD or the County can make. Some improvement areas the ACHD may have no authority over, so relaying the information to the appropriate area will be helpful. At the end of this survey, participants were asked with they would like to participate in a focus group. The next step will be to establish and conduct the study group to find detailed information on areas of strengths and improvement.

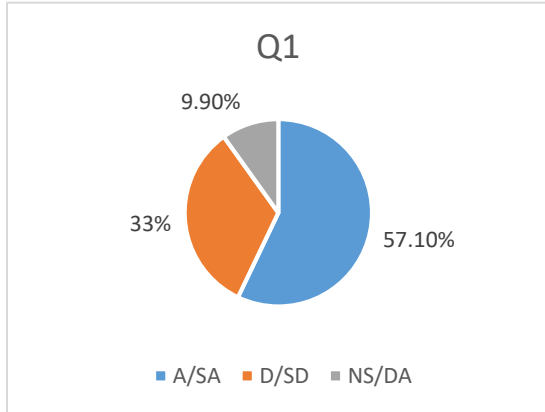
The following data shows all questions asked in the After-Action survey, along with percentages of Agree (A)/Strongly Agree (SA), Disagree (D)/Strongly Disagree (SD), or other options listed, such as Not Sure/Doesn't Apply (NS/DA), Mostly/Always (M/A), and Not At All/Sometimes (NA/S). Along with the percentages, a consensus of comments are given, and valid improvements given are listed.

## Inquires:

For questions or inquiries on this report, please complete an [inquiry form](http://www.allegancounty.org/health) found on [www.allegancounty.org/health](http://www.allegancounty.org/health).

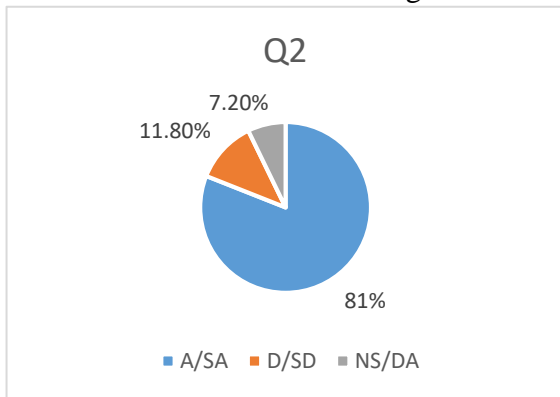
## Questions:

1. Vulnerable populations (older adults over 65 years, minorities, low-income individuals, children, etc.) needs were prioritized and addressed:



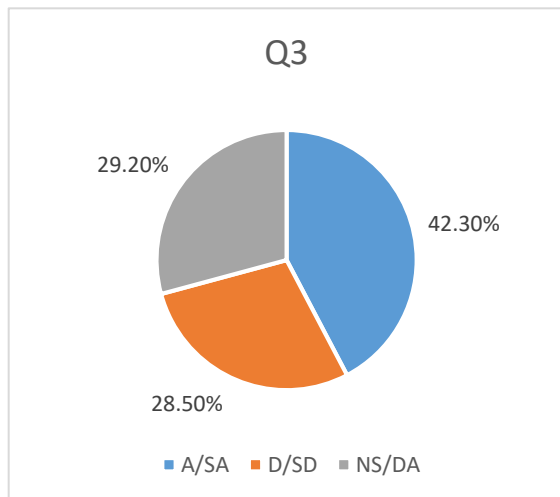
- a. 57.1% A/SA; 33.0% D/SD; 9.9% NS/DA  
b. **Comments:** There were two main concerns in the improvements section. The first was that during phase 1, many did not understand the reasoning behind the masking of kids and schools. The second was again, not understanding why isolation was needed.  
c. **Improvements:** More data and reasoning behind isolation protocols and masking effectiveness.

2. I or someone I know had feelings of isolation and sadness during the pandemic:



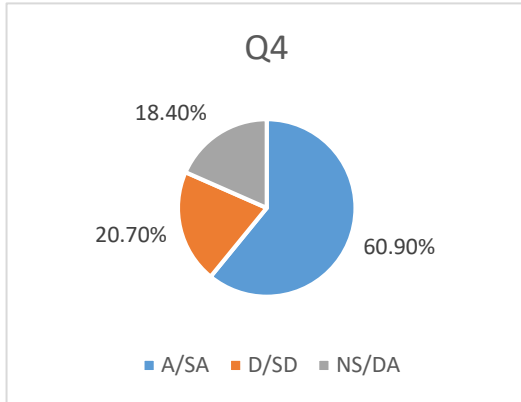
- a. 81.0% A/SA; 11.8% D/SD; 7.2% NS/DA  
b. **Comments:** Many comments focused on children due to staying home from school and activities. Others commented reasons for sadness due to stay-at-home orders.  
c. **Improvements:** Suggestions ranged from having zero isolation, to having workers who can meet via phone/video chat and able to meet with those experiencing mental health issues.

3. I or my agency knew who to call related for support:



- a. 42.3% A/SA; 28.5% D/SD; 29.2% NS/DA  
b. **Comments:** Most comments stated they knew who to call but could not ever speak to anyone, and if they were able to reach someone, they did not provide much useful info.  
c. **Improvements:** More advertising of services and info, again access to “on-call” mental health experts, having all local agencies on the “same page”. Across a few improvement suggestions, it seemed that different agencies gave differing or conflicting information.

4. I or my agency had sufficient resources to meet my basic needs:

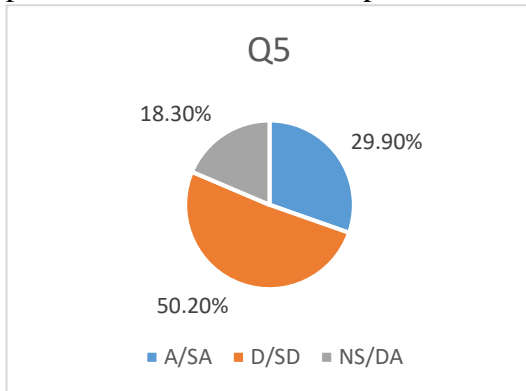


a. 60.9% A/SA; 20.7% D/SD; 18.4% NS/DA

b. **Comments:** Consensus was that public health materials seemed to be mostly available; however, some foods/cleaners were harder to come by during the first two phases.

c. **Improvements:** More communication as to where resources are and how to find them.

5. I or my agency was concerned with losing internet to high-speed or internet during the height of this pandemic in order to accomplish work or educational task:



a. 29.9% A/SA; 50.2% D/SD; 18.3% NS/DA

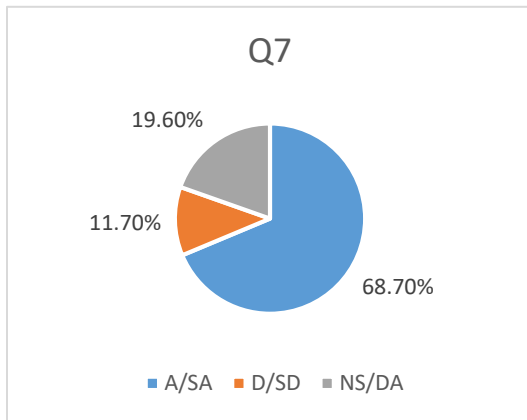
b. **Comments:** Many comments said they lost access, or had very slow internet during peak periods (school/work hours), also there are limited options for internet in the area.

c. **Improvements:** High-speed access all across the county.

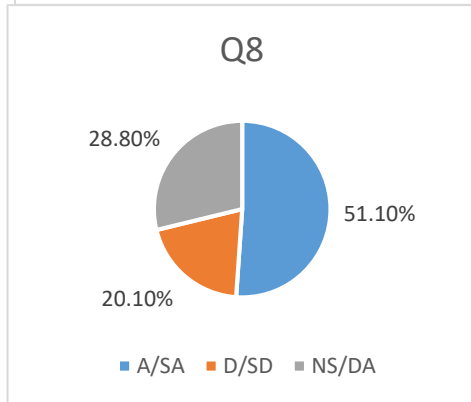
6. What is one thing you wish you could have had access to or information during the response? (Most common responses)

- a. Better information – the consensus was more “streamlined” easy and understandable data.
- b. Better access to mental health resources.
- c. “Freedom” from mandates and “fake news” from the health department
- d. More vaccine availability, along with more vaccination sites and clinics.

7. Testing was accessible in Allegan County:

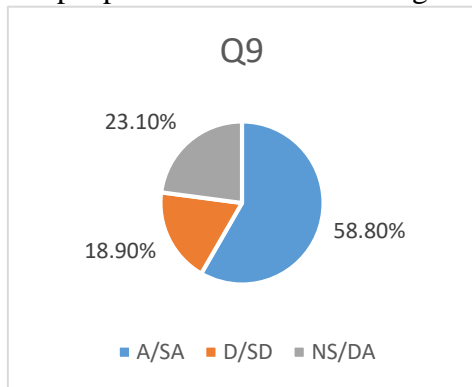


- a. 68.7% A/SA; 11.7% D/SD; 19.6% NS/DA
- b. **Comments:** Seems testing availability was not very good during phase 1, but then got better leading into phase 2.
- c. **Improvements:** Increase information on where sites are available, along with more sites and more drive-through options.



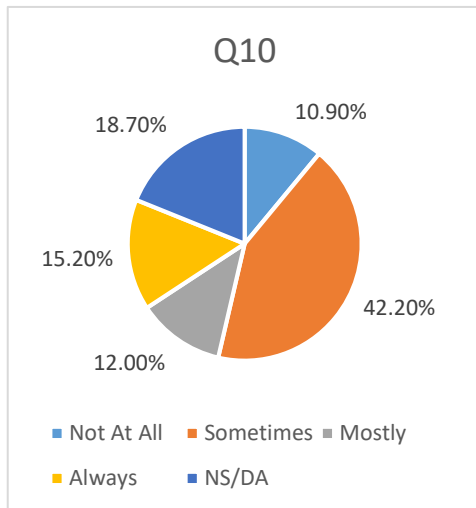
- 8. I or people I know were able to get their COVID-19 test results quickly:
  - a. 51.1% A/SA; 20.1% D/SD; 28.8% NS/DA
  - b. **Comments:** N/A
  - c. **Improvements:** Responses wanted more locations for testing, and better access to rapid testing. Other comments focused on easier notification of results such as through text message or email.

9. I or people I know were able to get a COVID-19 test when they needed one:



- a. 58.8% A/SA; 18.9% D/SD; 23.1% NS/DA
- b. **Comments:** Hard to find testing sites during phase 4. Homebound individuals had trouble with testing.
- c. **Improvements:** Availability of testing in phases 3 and 4 seemed to be more difficult. Having more locations, and longer hours for testing sites.

10. I or people I know had COVID-19 symptoms but never tested:



a. 10.9% Not At All, 42.2% Sometimes, 12.0% Mostly, 15.2% Always, 18.7% Not Sure/Does Not Apply

b. **Comments:** Question and answers were hard to make sense of, thus many answered as best they could. Many others stated that depending on the symptoms it did not make sense to, as it was hard to distinguish from a cold at first. Many stayed home instead of getting tested, as they did not want to get a positive test and have to miss work.

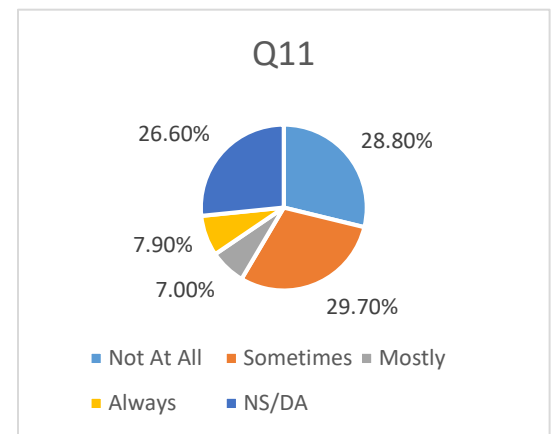
c. **Improvements:** (Asked why they did not) Many did not believe the testing was accurate, and could not distinguish differences between a cold or flu.

11. I or people I know had COVID-19 symptoms but never reported them to their employer:

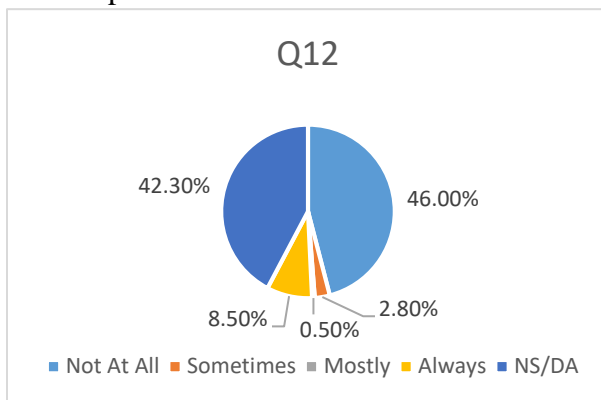
a. 28.8% Not At All, 29.7% Sometimes, 7.0% Mostly, 7.9% Always, 26.6% Not Sure/Does Not Apply

b. **Comments:** Many with mild symptoms never reported, as it was hard to distinguish, did not want to miss work/activities.

c. **Improvements:** Many afraid of loss of income or jobs due to symptoms, many companies offered little or no sick pay. Other companies forced workers to use PTO they saved to get tested/quarantine.



12. I tested positive for COVID-19 and never disclosed that information to my family, friends or work:



a. 46.0% Not At All, 2.8% Sometimes, 0.5% Mostly, 8.5% Always, 42.3% Not Sure/Does Not Apply

b. **Comments:** Many did not understand the question.

c. **Improvements:** N/A

13. What were barriers to a successful response? (Top 3)

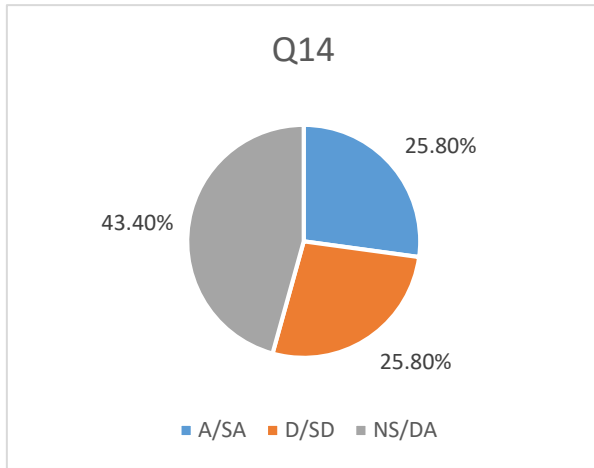
a. 37.2% None, 33.3% Other, 16.4% Insufficient Resources

b. **Comments:** Most common responses included either lack of or “dis”information, and political issues.



c. **Improvements:** Improvement comments included using properly executed information, showing why the information is necessary, and building trust.

14. Cases were investigated in a timely manner:



a. 25.8% A/SA; 25.8% D/SD; 43.4% NS/DA

b. **Comments:** Seemed to be inconsistent contact tracing practices, some would receive slow communication, some would receive fast communication, some would receive too many calls, and some were never called.

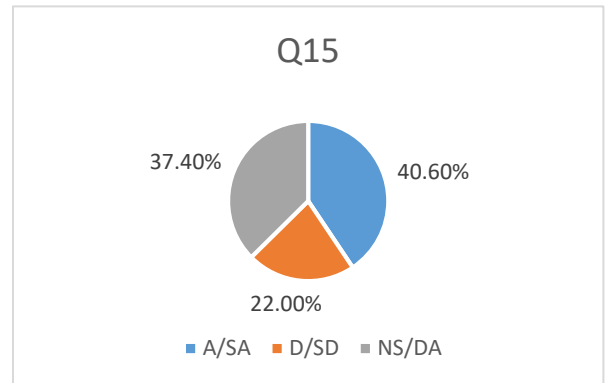
c. **Improvements:** More contact tracers needed to be effective, notifications were coming too late, or after a close contact risk – automated text messages/emails would be helpful.

15. Close contacts were notified to quarantine:

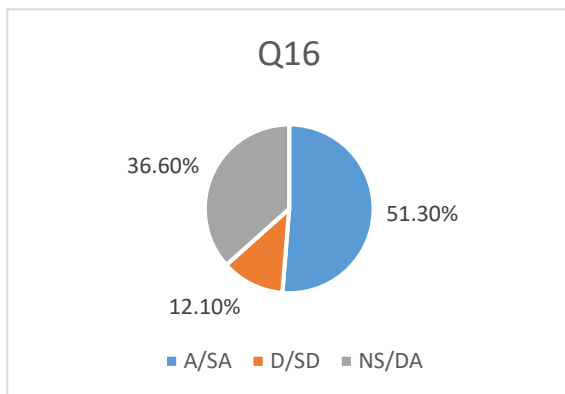
a. 40.6% A/SA; 22.0% D/SD; 37.4% NS/DA

b. **Comments:** Many inconsistent notifications, both via timing and who was notified.

c. **Improvements:** Again, more tracers needed to be effective. Possible incentives for the public to participate in contact tracing to allow for responses that are more accurate.



16. ACHD provided clear expectations on isolation and quarantine:

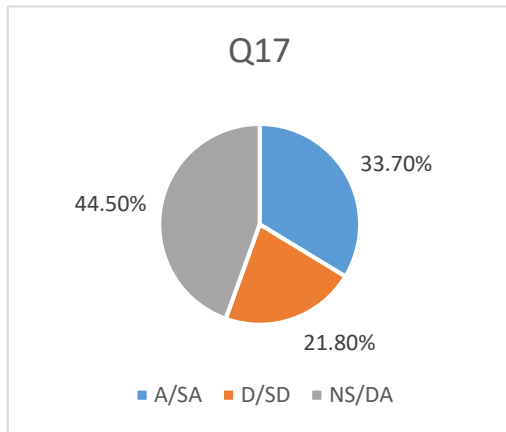


a. 51.3% A/SA; 12.1% D/SD; 36.6% NS/DA

b. **Comments:** Inconsistent isolation times, also many felt there was not consistent messaging.

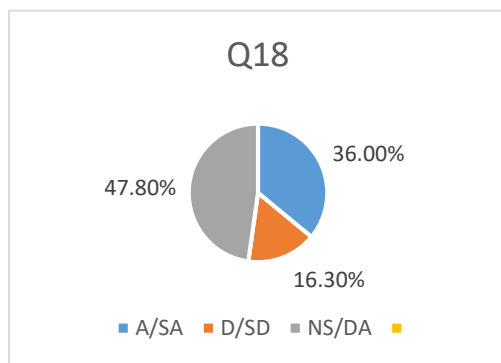
c. **Improvements:** More info on why we quarantine healthy individuals (prevent sickness, stop the spread, could be carrier, etc.). Also, clear directions between all entities (schools, CDC, health departments, etc.).

17. Additional support was given to vulnerable or high-risk populations:



- a. 33.7% A/SA; 21.8% D/SD; 44.5% NS/DA
- b. **Comments:** Again seems to need clarification on why vulnerable populations were prioritized.
- c. **Improvements:** Clearer info regarding what was done, why it was done.

18. Education materials on isolation and quarantine were given to cases and close contacts:



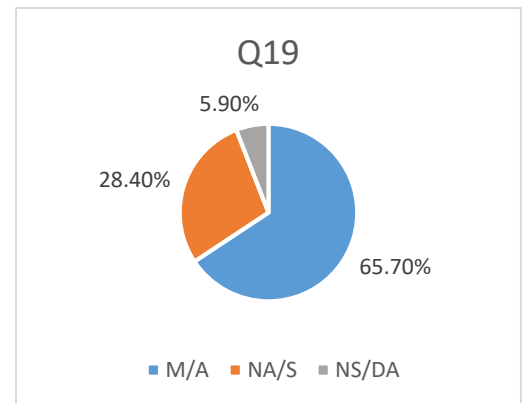
- a. 36.0% A/SA; 16.3% D/SD; 47.8% NS/DA
- b. **Comments:** Some of the information packets came very late (after quarantine time was up).
- c. **Improvements:** Email and text the information, make the information available to everyone.

19. I/people I know delayed getting care or annual physical screenings because of the pandemic. Care includes mental, dental, and physical health related needs:

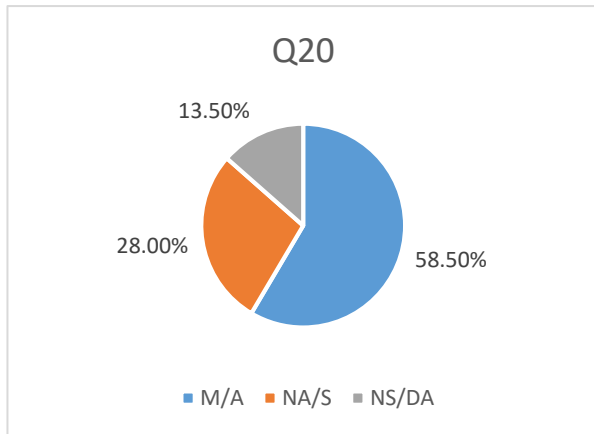
- a. 65.7% Mostly/Always; 28.4% Not At All/Sometimes; 5.9% NS/DA

b. **Comments:** Many provider hours were shortened, many appointments were postponed, and some did not go because of mask mandate in medical offices.

c. **Improvements:** More information given on why appointments were delayed or postponed. Easier to schedule and reschedule appointments. Notice of what is being done to prevent the risk of exposure.



20. I/people I know had non-emergent scheduled procedures rescheduled or postponed because of the pandemic:

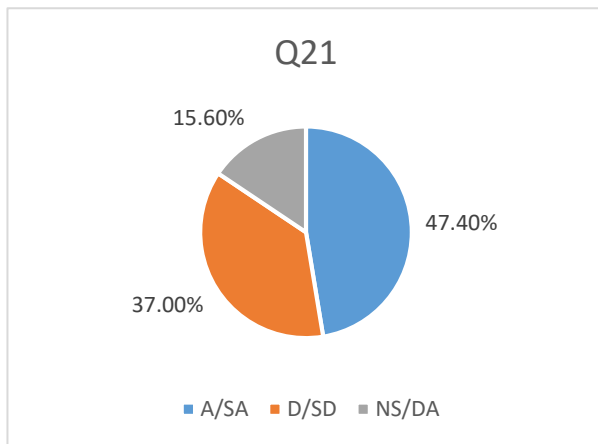


a. 58.5% Mostly/Always; 28.0% Not At All/Sometimes; 13.5% NS/DA

b. **Comments:** Cancer screenings got pushed back that should not have. Some ended with positive results that could have been found earlier.

c. **Improvements:** Better way to reschedule appointments, reasoning why they were postponed or rescheduled.

21. Timely health education was provided to the public, media, and county staff for awareness and decision making:

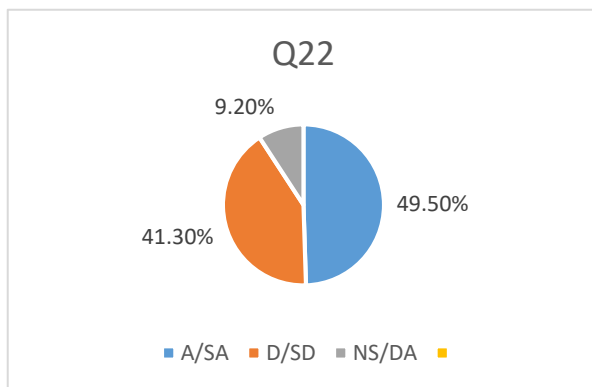


a. 47.4% A/SA; 37.0% D/SD; 15.6% NS/DA

b. **Comments:** Many did like the newsletter, and some wished for greater distribution.

c. **Improvements:** Make sure information does not contradict.

22. Data provided was helpful for decision making:

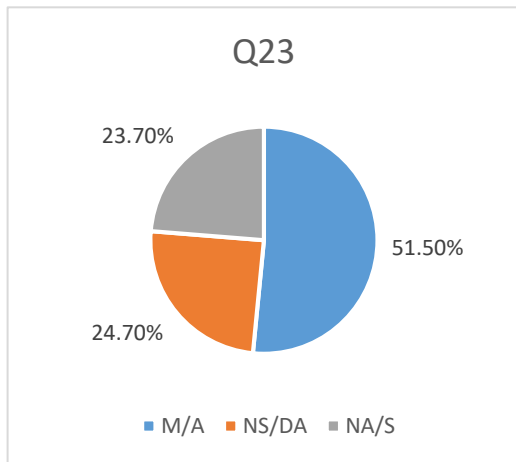


a. 49.5% A/SA; 41.3% D/SD; 9.2% NS/DA

b. **Comments:** many felt data was not real or concise enough. Some thought it was biased.

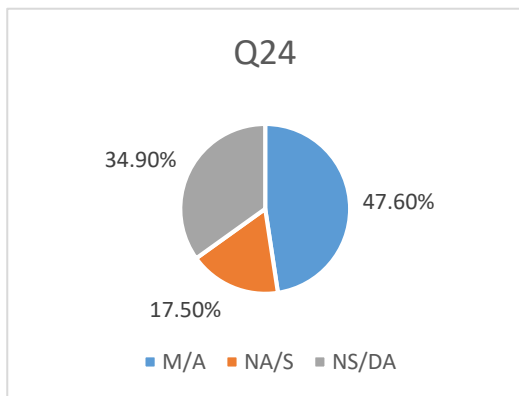
c. **Improvements:** Many wanted broader overview data, easily readable.

23. I/people I know/my agency was able to access appropriate PPE:



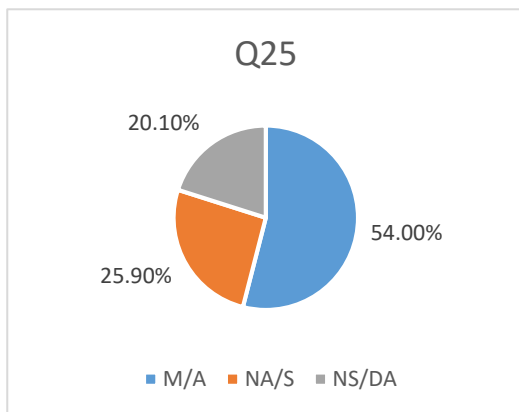
- a. 51.5% Mostly/Always, 24.7% Not Sure/Does Not Apply, 23.7% Not At All/Sometimes
- b. **Comments:** Some stated they could not find n95 masks.
- c. **Improvements:** Many said not available, and a good portion of the comments thought masks were useless, so they may need education as to why. Survey to see who would want/use may be beneficial if another wave/outbreak were to occur.

24. PPE met my agency needs:



- a. 47.6% Mostly/Always; 17.5% Not At All/Sometimes; 34.9% NS/DA
- b. **Comments:** Some purchased their own PPE, and some could not find available PPE.
- c. **Improvements:** Again does not seem to be enough information in the public as to why PPE is necessary.

25. I/people I know/my agency used public health guidance/tool-kits when making decisions or practicing behaviors:



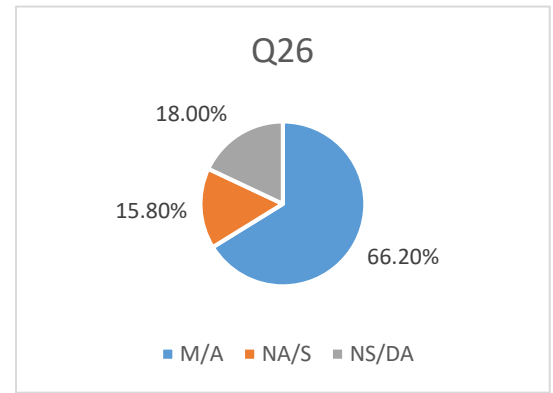
- a. 54.0% Mostly/Always; 25.9% Not At All/Sometimes; 20.1% NS/DA
- b. **Comments:** Many believed ACHD was forced to make certain guidance, believe most of its political.
- c. **Improvements:** Many felt there needed to be more “factual” information presented to the public. May need to use more sources in the future.

26. I/people I know/my agency was provided public health guidance:

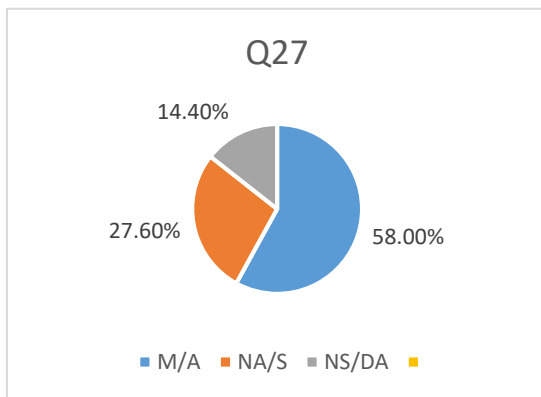
a. 66.1% Mostly/Always; 15.8% Not At All/Sometimes; 15.8% Not Sure/Does Not Apply

b. **Comments:** One comment said available and welcome, another comment stated the information was slow to be put out and not a lot of information was given.

c. **Improvements:** N/A



27. The ACHD COVID-19 Updates provided the information/people I know/my agency needed for decision making:

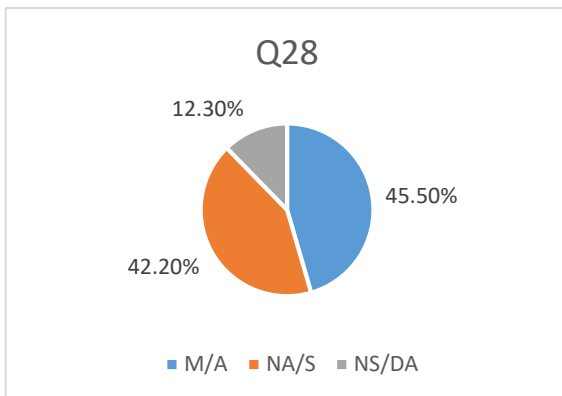


a. 58.0% Mostly/Always; 27.6% Not At All/Sometimes; 14.4% Not Sure/Does Not Apply

b. **Comments:** Many comments felt the information was “pushed”, and political.

c. **Improvements:** More clarity on where the information came from, make sure the information came from more than one source.

28. Education material and social media posts from local organizations were useful during the different stages of the pandemic:

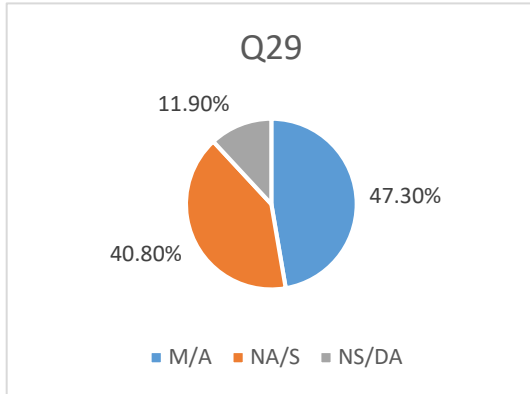


a. 45.5% Mostly/Always; 42.2% Not At All/Sometimes 12.3% Not Sure/Does Not Apply

b. **Comments:** Many comments thought of them as speculation and not facts.

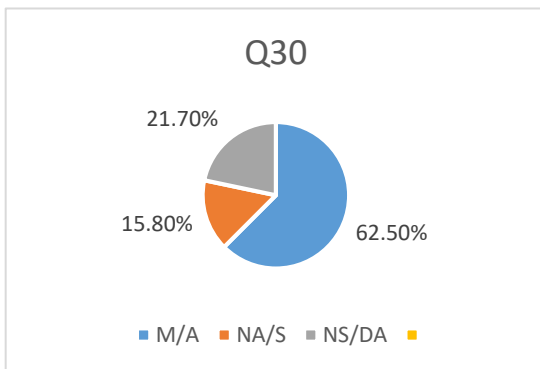
c. **Improvements:** To have more than one viewpoint, and more moderation in comments.

29. Data and modeling were helpful in advanced planning efforts and decision making:



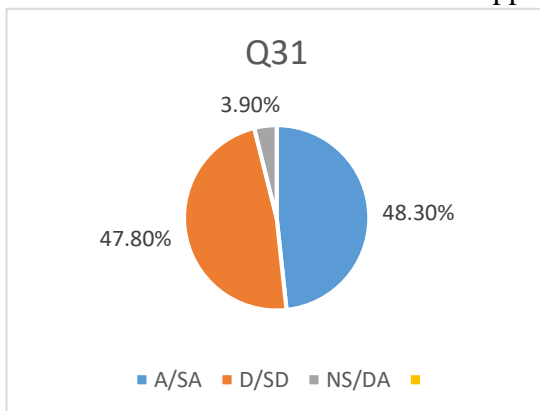
- a. 47.3% Mostly/Always; 40.8% Not At All/Sometimes; 11.9% Not Sure/Does Not Apply
- b. **Comments:** Again, many comments believed it was misleading or inaccurate information.
- c. **Improvements:** N/A

30. I/people I know/my agency was able to implement enhanced ventilation practices, social distancing, enhanced cleaning/disinfecting, frequent handwashing practices, and mask wearing staying home when sick:



- a. 62.5% Mostly/Always; 15.8% Not At All/Sometimes; 21.7% Not Sure/Does Not Apply
- b. **Comments:** Enhanced ventilation practices were noted as not having much investment.
- c. **Improvements:** More supplies to be given out and more guidelines on how too properly enhance ventilation practices.

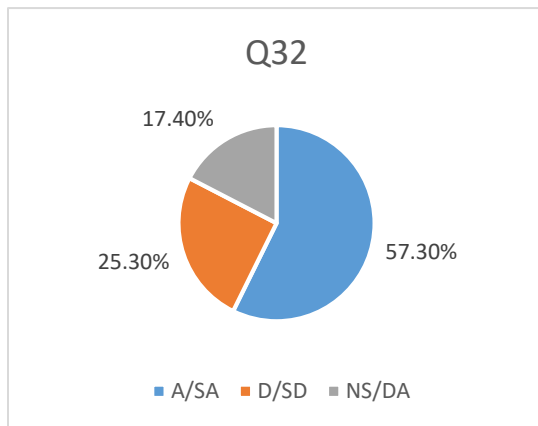
31. Public health orders were clear and supported by data:



- a. 48.3% A/SA; 47.8% D/SD; 3.9% NS/DA
- b. **Comments:** Many in the comments believed data was not supported well.
- c. **Improvements:** Data that can be verified via multiple sources.

32. Communication channels for timely COVID-19 information met your needs:



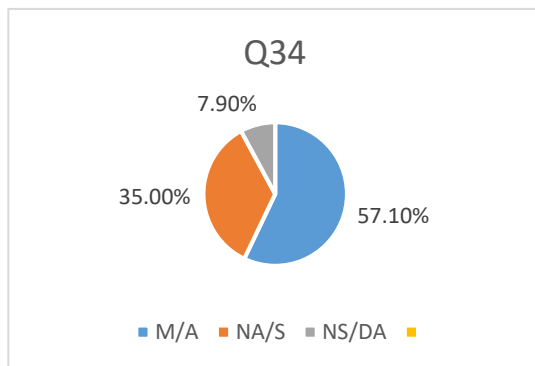


- a. 57.3% A/SA; 25.3% D/SD; 17.4% NS/DA
- b. **Comments:** Some mentioned it took too long to update.
- c. **Improvements:** More detailed data, data that can be verified via multiple data sources.

33. What are ways that communication could have been improved:

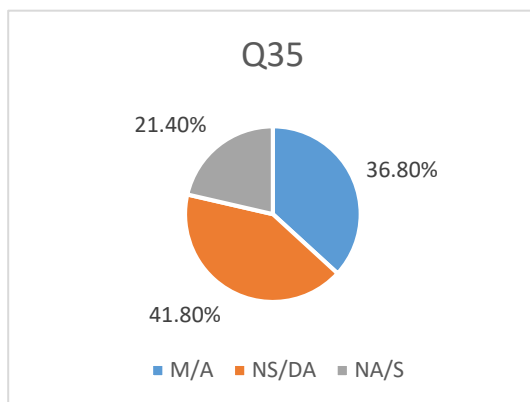
- a. **Comments:** More transparent information, again verified by multiple data sources.
- b. **Improvements:** Secure email and text messaging.

34. I/my agency understood the local public health guidance actions that were necessary to protect the public:



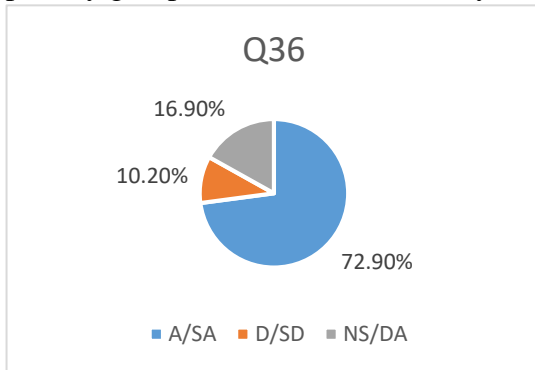
- a. 57.1% Mostly/Always; 35.0% Not At All/Sometimes; 7.9% Not Sure/Does Not Apply
- b. **Comments:** Many comments did not believe they were necessary.
- c. **Improvements:** Many of the citizens did not understand them, thus breaking them down for easier understanding.

35. My agency provided paid time off in the event that I or a family member had COVID-19:



- a. 36.8% Mostly/Always, 41.8% Not Sure/Does Not Apply, 21.4% Not At All/Sometimes
- b. **Comments:** Was very dependent upon job or company.
- c. **Improvements:** N/A

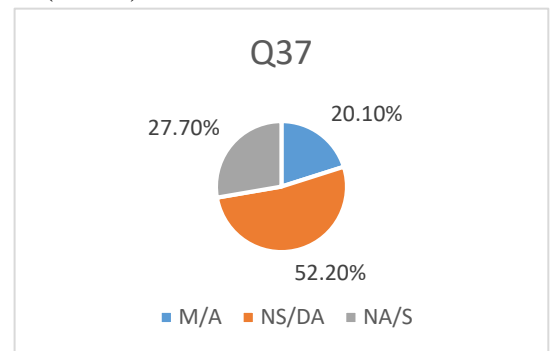
36. Vaccine was accessible for me/people I know/my agency, once vaccine was made available to my priority group within 20 min from my house:



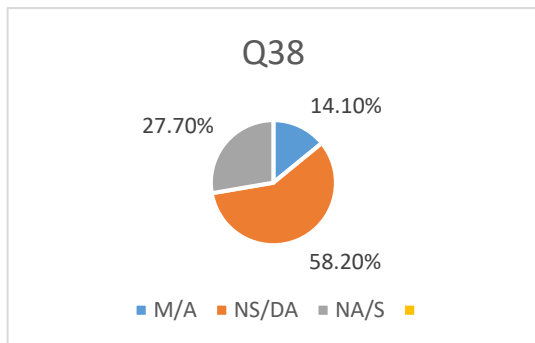
- a. 72.9% A/SA; 10.2% D/SD; 16.9% NS/DA
- b. **Comments:** Most comments seemed to think it was easy to access.
- c. **Improvements:** More mobile clinics would be helpful, booster seemed to be harder to find in the area.

37. I/people I know were able to receive monoclonal antibody treatments (mAbs) or antivirals after October 2020 when needed:

- a. 20.1% Mostly/Always, 52.2% Not Sure/Does Not Apply, 27.7% Not At All/Sometimes
- b. **Comments:** Many did not know about it, and supplies were supposedly hard to find.
- c. **Improvements:** More information on where to find them, and what it does.

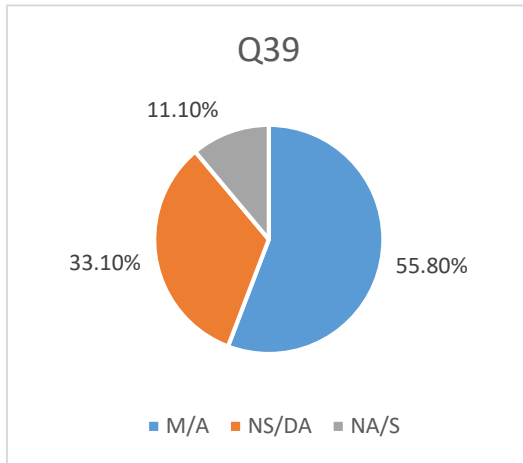


38. I/people I know received information related to mAbs, or antivirals when I/people I know tested positive for COVID-19:



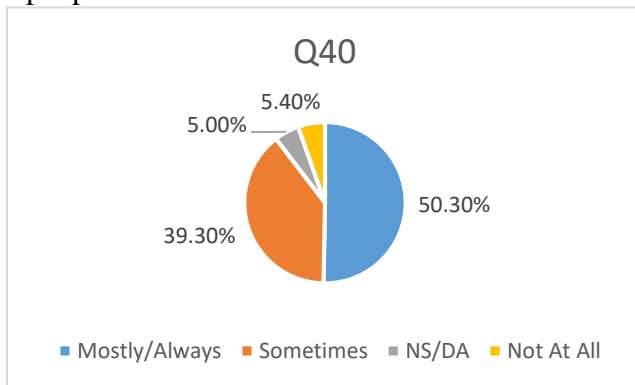
- a. 14.1% Mostly/Always, 58.2% Not Sure/Does Not Apply, 27.7% Not At All/Sometimes
- b. **Comments:** N/A
- c. **Improvements:** More information regarding mAbs would have been beneficial for those who had questions about it.

39. Community vaccine clinics were efficient:



- a. 55.8% Mostly/Always, 33.1% Not Sure/Does Not Apply, 11.1% Not At All/Sometimes
- b. **Comments:** Consensus was that clinics were well run and efficient.
- c. **Improvements:** More training early on, and more clinics.

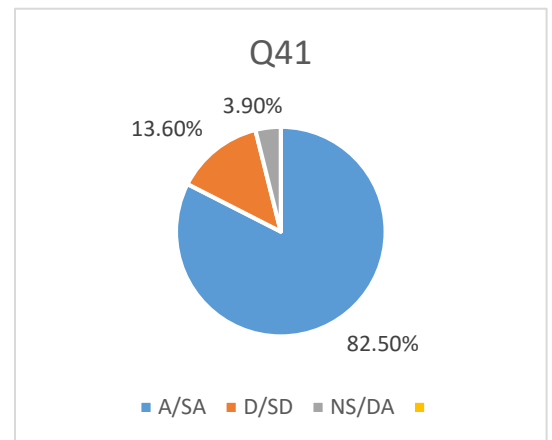
40. I/people I know are/were hesitant to receive the COVID-19 vaccine:



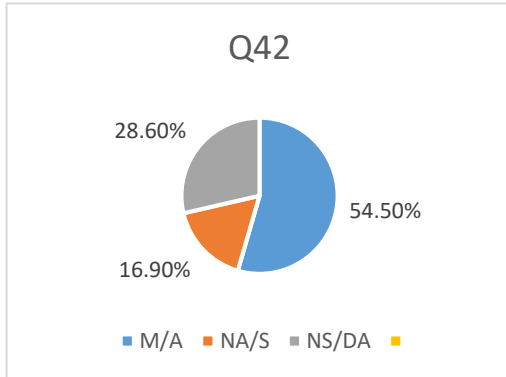
- a. 50.3% Mostly/Always; 39.3% Sometimes; 5.0% Not Sure/Does Not Apply; 5.4% Not At All
- b. **Comments:** There was too much information for public, caused confusion. Many were uncomfortable with how fast it came, scared of the side effects and future issues.
- c. **Improvements:** More information given on how much testing and what side effects could result in.

41. I/people I know was worried about side effects of the vaccine:

- a. 82.5% A/SA; 13.6% D/SD; 3.9% NS/DA
- b. **Comments:** Many were in fact worried about the side effects.
- c. **Improvements:** More education/facts on how vaccines work, what they do, why they are given.



42. Health education around vaccines was/are provided at clinics:

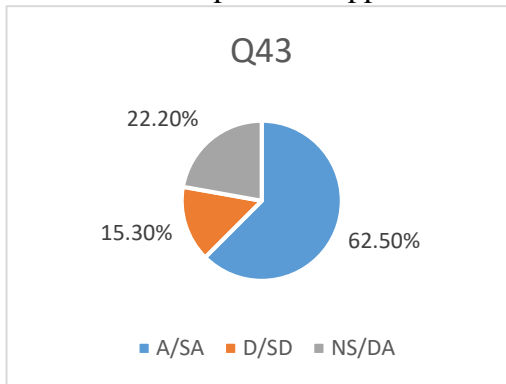


a. 54.5% Mostly/Always; 16.9% Not At All/Sometimes; 28.6% Not Sure/Doesn't Apply

b. **Comments:** Some felt well informed; some felt they needed more information.

c. **Improvements:** More information given at time of vaccination.

43. The declaration process happened in a timely and appropriate manner:

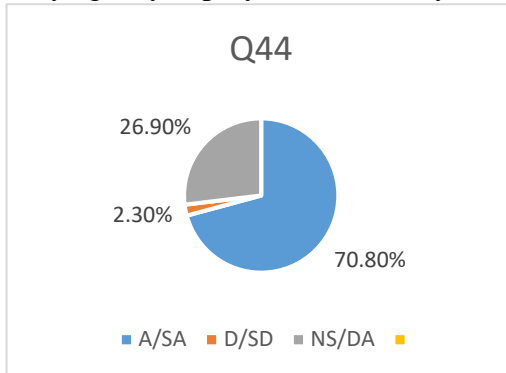


a. 62.5% A/SA; 15.3% D/SD; 22.2% NS/DA

b. **Comments:** N/A

c. **Improvements:** N/A

44. I/my agency deployed a continuity of operations plans (COOP):

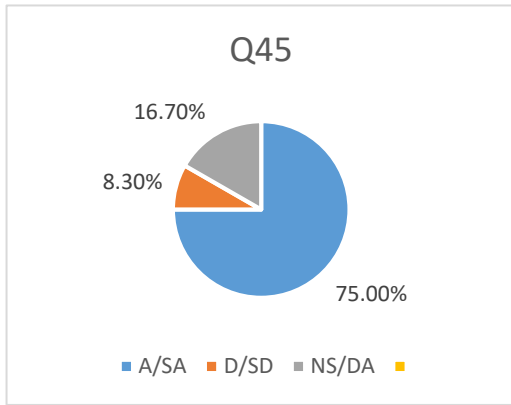


a. 70.8% A/SA; 2.3% D/SD; 26.9% NS/DA

b. **Comments:** N/A

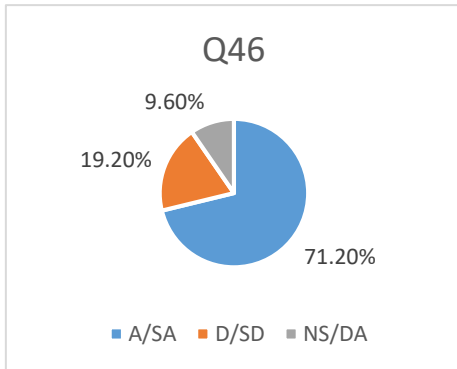
c. **Improvements:** N/A

45. My agency defined essential staff:



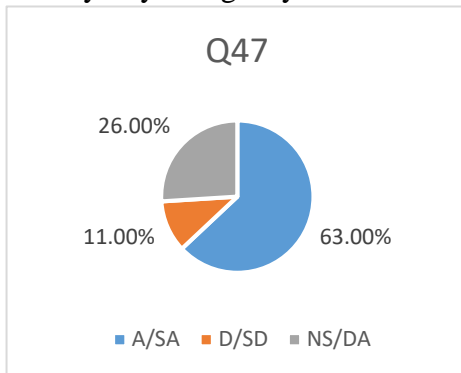
- a. 75% A/SA; 8.3% D/SD; 16.7% NS/DA
- b. **Comments:** N/A
- c. **Improvements:** N/A

46. PPE was widely available to your agency:



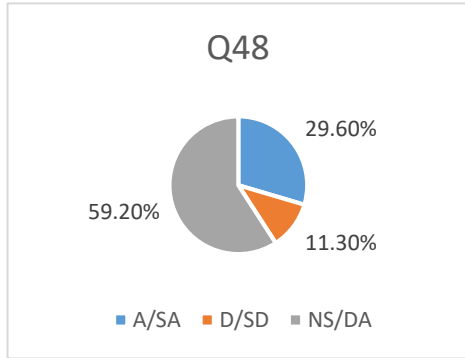
- a. 71.2% A/SA; 19.2% D/SD; 9.6% NS/DA
- b. **Comments:** Most commented they had it if they needed it, one commented that they did not during phase 1.
- c. **Improvements:** More PPE stockpiled for emergencies.

47. Were you/your agency able to access governmental services:



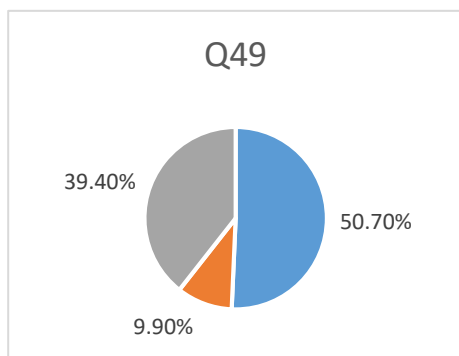
- a. 63.0% A/SA; 11.0% D/SD; 26.0% NS/DA
- b. **Comments:** N/A
- c. **Improvements:** N/A

48. I/my agency used MICIMS for situational awareness:

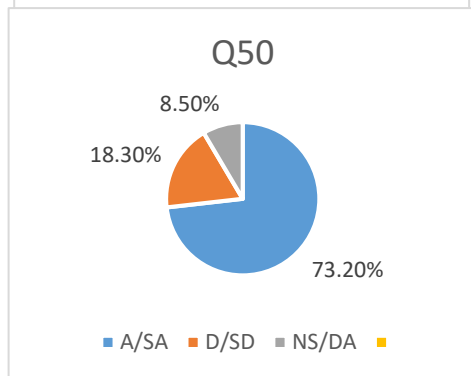


- a. 29.6% A/SA, 59.2% Not Sure/Does Not Apply, 11.3% D/SD
- b. **Comments:** N/A
- c. **Improvements:** N/A

49. Incident Command System was followed:



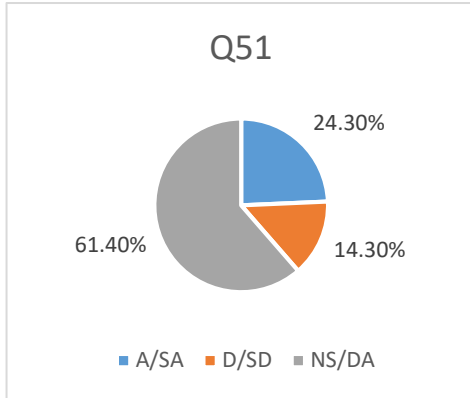
- a. 50.7% A/SA, 39.4% Not Sure/Does Not Apply, 9.9% D/SD
- b. **Comments:** Some did not follow proper chain of command.
- c. **Improvements:** N/A



- 50. Public Health goals, objectives and strategies were communicated clearly:
  - a. 73.2% A/SA; 18.3% D/SD; 8.5% NS/DA
  - b. **Comments:** N/A
  - c. **Improvements:** N/A

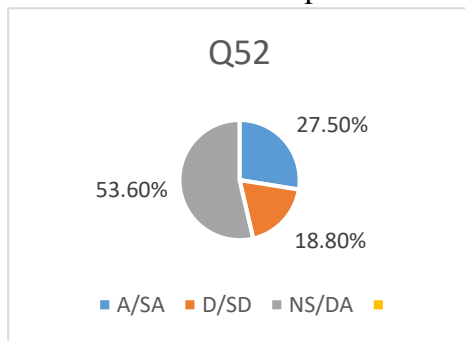


51. 5<sup>th</sup> District Medical Coalition played a vital role in COVID-19 response:



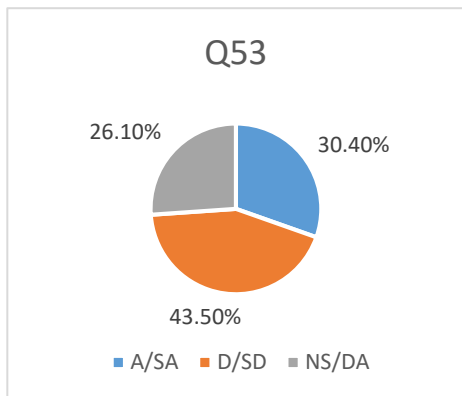
- a. 24.3% A/SA, 61.4% Not Sure/Does Not Apply, 14.3% D/SD
- b. **Comments:** Some comments stated that it helped, some did not notice.
- c. **Improvements:** N/A

52. Volunteers recruitment process is easy to navigate:



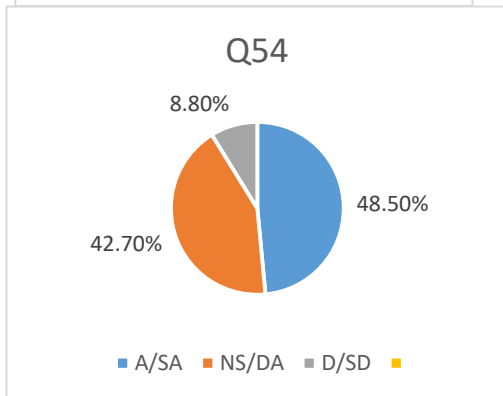
- a. 27.5% A/SA, 53.6% Not Sure/Does Not Apply, 18.8% D/SD
- b. **Comments:** One comment stated the process started too late and then changed midway through.
- c. **Improvements:** Faster process.

53. Financial resources to support the emergency conditions were sufficient:



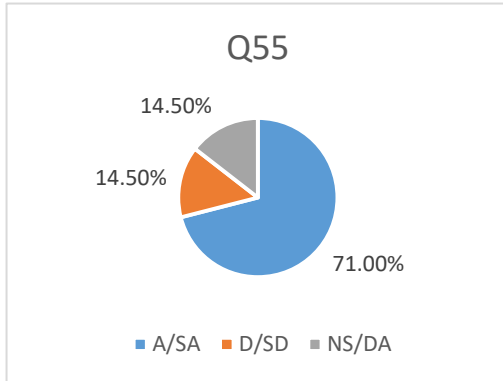
- a. 30.4% A/SA; 43.5% D/SD; 26.1% NS/DA
- b. **Comments:** Comments were split on where there was too much money given or not enough.
- c. **Improvements:** N/A

54. Situational updates or SIT REPS were vital in understanding the current conditions:



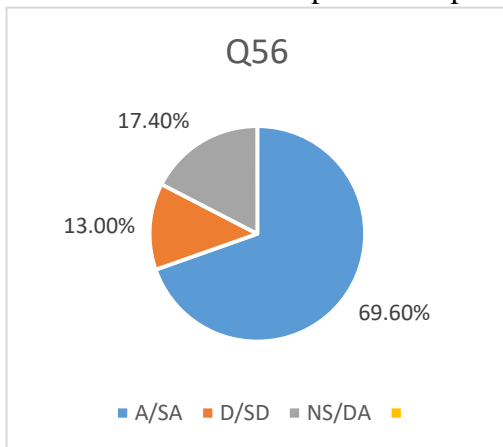
- a. 48.5% A/SA, 42.7% NS/DA, 8.8% D/SD
- b. **Comments:** ACHD Situation Reports (Sit-Reps) were good, but confined to the ACHD.
- c. **Improvements:** N/A

55. Different sectors providing support was helpful in this pandemic response:



- a. 71.0% A/SA; 14.5% D/SD 14.5% NS/DA
- b. **Comments:** One comment believed the cops to be working against public health goals.
- c. **Improvements:** Clarify where to go for support.

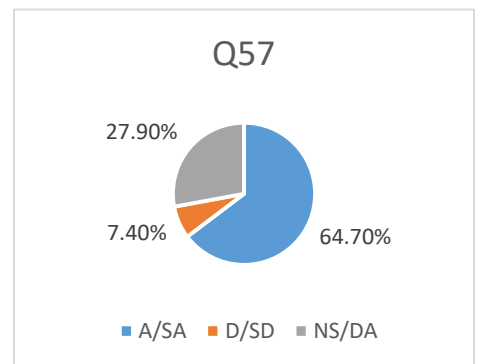
56. Volunteers were a vital part of the pandemic response:



- a. 69.6% A/SA; 13.0% D/SD; 17.4% NS/DA
- b. **Comments:** N/A
- c. **Improvements:** N/A

57. The Allegan County Emergency Operations Center and Annexes were responsive:

- a. 64.7% A/SA; 7.4% D/SD; 27.9% NS/DA
- b. **Comments:** N/A
- c. **Improvements:** N/A



58. Are you interested in participating in a focus group: **24 Yes, 153 No**

# EXECUTIVE SUMMARY



HEALTH  
Department

## After-Action Community Conversations

### PUPOSE:

To gather feedback from Allegan community and business members about the recent COVID-19 pandemic that will help improve planning and preparedness for all-hazards.

### EOC FEEDBACK OVERVIEW:

HELD ON MAY 17, 2022

#### Contact Tracing/Case Investigation

- Attendees feel businesses should have better-prepared COOP, COG, and COBs before a future hazard occurs
- Attendees felt contact tracing services between ACHD and business were redundant. Should be combined in the future
- Contact tracing practices improved towards the end of the pandemic; leaders should have a contact tracing process that's equipped for the entirety of a future hazard

#### Healthcare Capacity

- Topic not discussed due to time

#### Best Practices

- MOUs should be updated to ensure communication is clear. MOU meetings should be hosted regularly to ensure understanding of changes during a future hazard
- Attendees suggested hosting quarterly MICIMS training to freshen staff's knowledge of the system
- Attendees suggested expanding PPE stockpiles to have prepared

#### Vaccine/Treatment/Herd Immunity

- Attendees stated vaccine resources were underutilized in phase 3 of the pandemic. Suggested o have a better understanding of what the community wants to better prepare vaccine and staffing quantities

#### Testing

- Topic not discussed due to time

#### Data/Prioritization Presentation

- Public Health Officials/staff need training on how to write an IAP for large scale events
- Attendees suggested creating a universal volunteer program to recruit skilled people quickly

### SUMMARY:

- Two separate Community Conversation meetings were held for the Emergency Operations Committee (EOC) and for Community members
- The meetings were both held virtually and in-person, lasting 1 1/2 hours long
- There were 8 attendees present for the EOC meeting and 3 attendees present for the community members' meeting
- The meetings were facilitated by the Public Health Planning and Preparedness Manager and two CDC Foundation Health Educators
- The agenda topics included Testing, Contact Tracing and Case Investigation, Health Care Capacity, Best Practices, Vaccines/Treatment/Herd Immunity, and Data/Prioritization Presentation (EOC meeting only)

### COMMUNITY MEMBER FEEDBACK OVERVIEW:

HELD ON MAY 19 2022

#### Testing

- Attendees suggested more accurate communication surrounding different variants and testing options

#### Case Investigation/Contact Tracing

- Attendees reported contact tracing program was strong and effective throughout the pandemic
- Attendees informed COVID-19 funding cuts negatively affected their confidence for ACHD
- Attendees feel more information and resources are needed could be provided throughout the pandemic

#### Healthcare Capacity

- Attendees stated that there was a need for more vaccination centers closer to residents, COVID-19 updates, and education on how to get boosters

#### Best Practice

- Attendees suggested the following: to increase information surrounding:
  - More pop-up shot clinics
  - Community Council that meets quarterly (or more) to discuss recent health matters
  - Revamp the county website for easier navigation

### NEXT STEPS:

- Create an Improvement Plan using the above feedback and After-Action survey results
- Send Improvement Plan to County Administrator

## Environmental Health - Benchmark Data Board of Commissioner Report



	January		February		March		April		May		June	July	August	September	October	November	December
Total Applications Received for the Month	135		166		186		202		180		96						
14 Business Days for the Month are Permits received during	12/23 thru 1/7	1/8 thru 1/23	1/24 thru 2/6	2/7 thru 2/18	2/19 thru 3/13	3/14 thru 3/27	3/28 thru 4/10	4/11 thru 4/24	4/25 thru 5/8	5/9 thru 5/20							
Incomplete and/or Unpaid Submissions within 14 Business Days	5	5	14	19	18	8	9	26	5	10							
Total Eligible for Completion within 14 business day window	37	31	62	79	91	62	81	81	65	69							
Submissions Not Completed within Eligible Time Period	2	0	0	1	0	0	2	2	0	1							
Total Completed	35	31	62	78	91	62	79	79	65	68							
Percentage Complete	95%	100%	100%	99%	100%	100%	98%	98%	100%	99%							

Applications completed prior to 14 day turnaround (only those with proper documentation and fees paid): **Total Completed divided by Total Eligible for Completion within 14 business day window = Percentage Complete**

Number	Percentage
68/69	99%

**14 business days from May 9 - May 20**

	January		February		March		April		May		June	July	August	September	October	November	December
Total Applications Received	135		166		186		202		180		96						
5 Business Days for Communication	1/10 thru 1/23	1/24 thru 2/6	2/7 thru 2/18	2/19 thru 3/6	3/7 thru 3/27	3/28 thru 4/10	4/11 thru 4/24	4/25 thru 5/8	5/9 thru 5/22	5/23 thru 6/5							
Total Eligible for Communication	36	76	98	73	103	90	107	79	79	80							
Total Not Communicated to within 5 Business Days	1	0	2	0	0	0	0	0	1	0							
Total Communicated to within 5 Business Days	35	76	96	73	103	90	107	79	78	80							
Percentage Complete	97%	100%	98%	100%	100%	100%	100%	100%	99%	100%							

Customers that have been contacted within 5 business days: **Total Communicated to within 5 Business Days divided by Total Eligible for Communication**

Number	Percentage
80/80	100%

**5 business days from May 23 - June 5**

# Environmental Health - Total Services

## Board of Commissioner Monthly Report



### APPLICATIONS RECEIVED

	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well	40	45	52	54	37	31							259
Septic	32	56	53	68	46	31							286
Loan Eval.	7	13	7	17	11	7							62
MDHHS Eval.	5	7	3	6	5	3							29
SESC	36	26	47	46	57	16							228
Raw Land/Soil Eval.	15	19	21	8	21	6							90
Investigative Fieldwork	0	0	3	3	3	2							11
<b>Monthly Totals</b>	<b>135</b>	<b>166</b>	<b>186</b>	<b>202</b>	<b>180</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965</b>

### SERVICES PROVIDED

PERMITS ISSUED	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well	37	37	52	46	34	29							235
Septic	36	40	63	45	51	31							266
Loan Eval.	3	13	11	5	7	5							44
MDHHS	5	7	5	2	7	1							27
SESC	31	38	35	40	40	15							199
Raw Land/ Soil Eval.	11	17	13	8	13	2							64
<b>Monthly Totals</b>	<b>123</b>	<b>152</b>	<b>179</b>	<b>146</b>	<b>152</b>	<b>83</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>835</b>

Other Services Completed	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total
Well Finals	87	85	29	40	18	2							261
Septic Finals	21	14	29	34	37	8							143
SESC Inspections	10	14	14	173	267	109							587
Investigative Fieldwork	0	0	3	3	3	2							11
<b>Monthly Totals</b>	<b>118</b>	<b>113</b>	<b>75</b>	<b>250</b>	<b>325</b>	<b>121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1002</b>

<b>Total Services Provided</b>	<b>241</b>	<b>265</b>	<b>254</b>	<b>396</b>	<b>477</b>	<b>204</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3674</b>
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# Allegan County Ground Water Study Ad-Hoc Work Group



Human Services Building  
3255 – 122<sup>nd</sup> Avenue  
Allegan, MI 49010  
269-673-5411 Main Office  
269-673-4172 Main Fax  
<http://www.allegancounty.org>

Chairperson, Tom Kunetz  
Vice-Chairperson, John "Ric" Curtis

Dean Kapenga,  
County Commissioner  
Representative  
[dakapenga@allegancounty.org](mailto:dakapenga@allegancounty.org)

Chad Kraai,  
Well Driller  
[chad@kraaiwelldrilling.com](mailto:chad@kraaiwelldrilling.com)

Brian Talsma,  
Conservation District  
Representative  
[brian.talsma@macd.org](mailto:brian.talsma@macd.org)

Doug Sweeris,  
Municipal Water Supply  
Representative  
[dsweeris@cityofallegan.org](mailto:dsweeris@cityofallegan.org)

Erick Elgin,  
Academic Representative  
[elgineri@msu.edu](mailto:elgineri@msu.edu)

Jay Drozd,  
Agriculture Representative  
[javdrozd@yahoo.com](mailto:javdrozd@yahoo.com)

John "Ric" Curtis, Vice-chair  
Community Representative  
[ric\\_curtis@comcast.net](mailto:ric_curtis@comcast.net)

John Shagonaby,  
Tribal Representative  
[John.Shagonaby@qlt-nsn.gov](mailto:John.Shagonaby@qlt-nsn.gov)

Tom Kunetz, Chair  
Community Representative  
[tomkunetz@gmail.com](mailto:tomkunetz@gmail.com)

Zachary Curtis,  
Consultant  
[zach@magnet4water.com](mailto:zach@magnet4water.com)

## WATER STUDY WORKGROUP – MINUTES

Wednesday, June 1, 2022 – 2PM

Human Services Building, Karl Zimmerman Room  
3255 122<sup>nd</sup> Avenue, Allegan, MI 49010  
Virtual Meeting Options – Connectivity Instructions

2PM

### **CALL TO ORDER:**

### **ROLL CALL:**

**Present:** Dean Kapenga, Doug Sweeris, Ric Curtis, Tom Kunetz,

**Present Virtually:** Chad Kraai, Brian Talsma, Erick Elgin, Zachary Curtis

**Absent:** Jay Drozd, John Shagonaby

### **PUBLIC PARTICIPATION:**

#### **Participation from:**

Doug Sweeris: City of Allegan County

Luke Keyzer & Aaron Mitchell: City of Otsego

Erik Wilson: City of Plainwell

### **PRESENTATIONS:**

#### **Presentation by John Yellich, Michigan Geologic Survey (MGS)**

Mr. Yellich presented on the Allegan County and MGS Data  
Collaboration

### **COMMUNICATIONS:**

None

### **DISCUSSION ITEMS:**

- 1. Ground Water Study Next Steps: Formal Proposal for the SCREENING-LEVEL MODELING, RISK ANALYSIS, AND RANKING, Next Steps Update:**
  - a. Discussed in Item #5.
- 2. Framing Questions Ranking (see attached):**
  - a. Tabled
- 3. Next Steps for Local Units of Government Communications:**
  - a. Tabled
- 4. Summary of the Allegan County Ground Water Survey:**
  - a. Tabled
- 5. Water Infrastructure Investments:**
  - a. The work group discussed the possibility of combining all studies and projects into one package to present to the Board of Commissioners at the June 9<sup>th</sup> meeting. Motion made and passed. (see attached)



- b. An addition motion (see attached) was made and passed but was not acted on because it was rolled into the motion made above.
  - c. **Action Item:** Randy Rapp to coordinate with the Parks & Recreation Department and the Michigan Geological Survey on placement of monitoring wells.
- 

**PUBLIC PARTICIPATION:**

**ADJOURNMENT:**

**Motion made by: Doug Sweeris**

**Seconded by: Ric Curtis**

**Meeting adjourned at 5:45pm**

**Workgroup Tasks and Deliverables:**

1. Review the final Allegan County Groundwater Study, conducted by Hydrosimulatics, Inc. and submitted to the Board on March 25, 2021.
2. Provide regular updates to the Board and a final written summary of observations and recommendations of the workgroup, within one-year of the appointment of its members, relative to the study content (and any other aspects of Allegan County's current and future state relative to water quality, including recommendations for how the County (as a geographic area) should proceed with next steps (if any) and provide particular focus on Hydrosimulatics, Inc. recommendation to pursue an interactive Decision Support System. All recommendations must be specific as to the management/oversight model, funding, root need/issue to be addressed and expected results of any next steps to be considered.
3. The Allegan County Health Department will participate in the discussions of the work group and will provide administrative support, guidance and expertise.
4. As an ad-hoc workgroup, the work of the group will be considered complete upon the delivery of item number 2 above.

# Allegan County Ground Water Study Ad-Hoc Work Group



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3255 – 122<sup>nd</sup> Avenue  
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Conservation District  
Representative  
[brian.talsma@macd.org](mailto:brian.talsma@macd.org)

Doug Sweeris,  
Municipal Water Supply  
Representative  
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Erick Elgin,  
Academic Representative  
[elgineri@msu.edu](mailto:elgineri@msu.edu)

Jay Drozd,  
Agriculture Representative  
[javdrozd@yahoo.com](mailto:javdrozd@yahoo.com)

John "Ric" Curtis, Vice-chair  
Community Representative  
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John Shagonaby,  
Tribal Representative  
[John.Shagonaby@qlt-nsn.gov](mailto:John.Shagonaby@qlt-nsn.gov)

Tom Kunetz, Chair  
Community Representative  
[tomkunetz@gmail.com](mailto:tomkunetz@gmail.com)

Zachary Curtis,  
Consultant  
[zach@magnet4water.com](mailto:zach@magnet4water.com)

## WATER STUDY WORKGROUP – MINUTES

Wednesday, June 15, 2022 – 2PM

Human Services Building, Karl Zimmerman Room  
3255 122<sup>nd</sup> Avenue, Allegan, MI 49010  
Virtual Meeting Options – Connectivity Instructions

2PM

### **CALL TO ORDER:**

### **ROLL CALL:**

**Present:** Dean Kapenga, Doug Sweeris, Ric Curtis, Tom Kunetz,

**Present Virtually:** Erick Elgin, Zachary Curtis, Brian Talsma,

**Absent:** Jay Drozd, John Shagonaby, Chad Kraai,

### **PUBLIC PARTICIPATION:**

None

### **PRESENTATIONS:**

#### **Presentation by:**

#### **Kent County DPW (Dorr Township Business Park)**

Dar Baas and Jeff Miling, Dorr Township Supervisor  
presented

#### **Saugatuck Township Water Project**

Daniel DeFranco presented on behalf of Saugatuck  
Township

### **COMMUNICATIONS:**

### **DISCUSSION ITEMS:**

#### **1. Board of Commissioners (BOC) Vote on Resolution Update and Next Steps (see attached):**

- a. The BOC approved the allocation of funds to be set aside for water projects as submitted by the work group.
- b. The BOC approved Phase II Screening Study to be performed by Hydrosimulatics. Randy Rapp to initiate contracting process.
- c. The BOC approved funding for four monitoring wells to be installed on County property in cooperation with Michigan State Geologic Survey. Randy Rapp to coordinate with MSGS with advice from Zach Curtis.

#### **2. Next Steps for Local Units of Government Project Communications:**

- a. Tom Kunetz and Rob Sarro to meet to compose a letter to send to the Local Units of Government. Will be sent to the group for review and input prior to being sent to the Local Units of Government.
- b. Tom, Rob, Randy, and Ric will meet to develop a procedure for review of LUG project funding requests, including review criteria.

- 3. Work Group Task List (see attached):**
    - a. Public Education was added as a Task item.
    - b. Tom to update task list to include tentative dates.
  - 4. Outreach Questions (Sweeris):**
    - a. Did not discuss.
  - 5. Future Meeting Schedule:**
    - a. Tom Kunetz to propose new meeting schedule in consideration of the Independence Day holiday.
- 

**PUBLIC PARTICIPATION:**

**None**

**ADJOURNMENT:**

**Motion by: Ric Curtis**

**Second by: Dean Kapenga**

**Workgroup Tasks and Deliverables:**

1. Review the final Allegan County Groundwater Study, conducted by Hydrosimulatics, Inc. and submitted to the Board on March 25, 2021.
2. Provide regular updates to the Board and a final written summary of observations and recommendations of the workgroup, within one-year of the appointment of its members, relative to the study content (and any other aspects of Allegan County's current and future state relative to water quality, including recommendations for how the County (as a geographic area) should proceed with next steps (if any) and provide particular focus on Hydrosimulatics, Inc. recommendation to pursue an interactive Decision Support System. All recommendations must be specific as to the management/oversight model, funding, root need/issue to be addressed and expected results of any next steps to be considered.
3. The Allegan County Health Department will participate in the discussions of the work group and will provide administrative support, guidance and expertise.
4. As an ad-hoc workgroup, the work of the group will be considered complete upon the delivery of item number 2 above.

Internet Service	Yes
------------------	-----

Count of IP Address Row Labels	Rating							Grand Total
	Dissatisfied	Neutral	Satisfied	Very Dissatisfied	Very Satisfied	(blank)		
<b>Allegan City</b>	5	5	4	3	1	9	27	
Allegan Township	15	10	6	14	2	20	67	
Casco Township	7	3	7	4	2	5	28	
Cheshire Township	5	5	2	10	3	6	31	
Clyde Township	5	4	1	5		5	20	
Dorr Township	14	16	5	13	3	15	66	
<b>Douglas City</b>	9	14	12	5	9	19	68	
<b>Fennville City</b>	2		2	2		3	9	
Fillmore Township	1	4	1	2		1	9	
Ganges Township	12	5	6	11	1	11	46	
Gun Plain Township	25	17	9	32	1	21	105	
Heath Township	4	2	1	6	1	4	18	
<b>Holland City</b>			1			1	2	
Hopkins Township	12	7	6	16	1	12	54	
<b>Hopkins Village</b>	3	2				2	7	
Laketown Township	1	4	1	1	1	3	11	
Lee Township	35	20	4	26	2	25	112	
Leighton Township	9	6	3	6		6	30	
Manlius Township	12	12	5	12	2	10	53	
Martin Township	9	7	7	9		16	48	
<b>Martin Village</b>	1	1			1	2	5	
Monterey Township	21	7	5	29		14	76	
<b>Otsego City</b>		3	2		1	3	9	
Otsego Township	14	7	2	21	2	15	61	
Overisel Township	8	4	2	7		4	25	
<b>Plainwell City</b>	6	5	5	1	4	10	31	
Salem Township	10	8	4	6	1	9	38	
<b>Saugatuck City</b>	8	3	10	3	1	12	37	
Saugatuck Township	49	48	48	41	15	47	248	
Trowbridge Township	10	8	3	14		10	45	
Valley Township	4	5	4	6	2	4	25	
Watson Township	13	13	2	12		23	63	
<b>Wayland City</b>	2	3	4	2		2	13	
Wayland Township	15	7	3	19	1	17	62	
(blank)	2		1				3	
<b>Grand Total</b>	<b>348</b>	<b>265</b>	<b>178</b>	<b>338</b>	<b>57</b>	<b>366</b>	<b>1552</b>	

## Reports & Communications:

### A. Board and Commission Appointment Listing

Several board members' terms end on June 30, 2022. Clerk Fenger confirmed with each candidate that they are willing to continue serving for another term. Each appointment is made by the Mayor, subject to confirmation from Council.

**Recommended action:** Consider confirming the Mayor's Board appointments as presented.

### B. Plainwell Dam #2 – Engineering Proposals

The City received a \$500,000 grant as part of the Kalamazoo River settlement. The administrative review team is recommending GHD to conduct the work. Please see attached memo.

**Recommended action:** Consider approving a contract with GHD in the amount of \$478,000 and authorize the City Manager to execute the contract.

### C. DPW – Emergency Generator Repair

The back-up generator for the water system failed a recent test and is in need of emergency repairs to continue functioning as the back-up power source. Kennedy Industries is the maintenance contractor however they do not have the capabilities to handle this repair. Wolverine Power Systems is able to diagnose, repair and test the generator.

**Recommended action:** Consider approving a contract with Wolverine Power Systems to repair the generator in an amount not to exceed \$9,500.00.

### D. DPW – Truck 12 Repairs

Truck 12 had the motor replaced earlier this year, and needs the transmission repaired to continue functioning. Since an investment has already been made in Truck 12, Superintendent Nieuwenhuis believes it will be best to make the repair.

**Recommended action:** Consider approving a contract with M&C Repair for repairing Truck 12 in the amount of \$9,433.13.

### E. Service Employees International Union Local 517M (SEIU)

The current SEIU labor contract expires June 30, 2022. The proposed contract is currently under legal review by the city attorney. City Manager Wilson will provide highlights for the proposed contract which will run from July 1, 2022 through June 30, 2026.

**Recommended action:** Consider approving a 4-year labor contract with the SEIU.

### F. Capital Improvement Plan

This plan summarizes all major projects recommended for the next five years. The plan details current funding allocated for projects, and prioritizes projects based on a ranking system evaluated by staff.

**Recommended action:** Consider approving the Capital Improvement Plan for 2022-2027.

### G. Resolution 2022-11 – Fines and Fees Fiscal Year 2023

Fines and fees charged for services rendered have been reviewed and updated as part of the budget process.

**Recommended action:** Consider adopting the resolution as presented.

**H. Public Hearing – 2022-2023 City Budget Adoption**

This is the annual Public Hearing to consider Resolution 2022-12 General Appropriations and Resolution 2022-13 Special & Operating Funds Appropriations, thereby setting the 2022-2023 Plainwell City Budget.

**Recommended action:** Consider adopting Resolution 2022-12 General Appropriations and Resolution 2022-13 Special & Operating Funds Appropriations to adopt the 2022-2023 Plainwell City Budget.

**I. Blanket and Confirming Purchase Orders for Fiscal Year 2023**

This is a listing of known purchase orders needed for the newly adopted budget. These items are for previously approved contracts, sole-source purchases or blankets for recurring purchases of less than \$3,500 each to the same preferred vendor.

**Recommended action:** Consider approving 20 Fiscal Year 2023 purchase orders as presented.

**Reminder of Upcoming Meetings**

- July 06, 2022 – Plainwell Planning – 7:00pm
- July 12, 2022 – Plainwell DDA/BRA/TIFA – 7:30am
- **July 11, 2022 – Plainwell City Council – 7:00pm**
- July 14, 2022 – Plainwell Parks & Trees – 5:00pm

**Non-Agenda Items / Materials Transmitted**

- June 09, 2022 - Allegan County Board of Commissioners Update Administrator's Report
- June 09, 2022 - Allegan County Board of Commissioners Update Administrator's Report